EXHIBIT V

PART 15

IW 1552958

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

January 12, 2007

THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE RECORDS OF THIS OFFICE OF THE FILE WRAPPER AND CONTENTS OF:

APPLICATION NUMBER: *08/544,497*
FILING DATE: *October 18, 1995*
PATENT NUMBER: *5,677,383*
ISSUE DATE: *October 14, 1997*

By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office

P. R. Grant

P. R. GRANT
Certifying Officer

PART (5) OF (3) PART(S)

MAILED TO MID

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/378,998	01/27/95	CHUM	C-40,121-AB

15M2/1214

THE DOW CHEMICAL COMPANY
PATENT DEPARTMENT B 1211
2301 NORTH BRAZOSPORT BLVD
FREEPORT TX 77541

EXAMINER	
ART UNIT	PAPER NUMBER
1505	20

DATE MAILED: 12/14/95

Please find below a communication from the EXAMINER in charge of this application.

Commissioner of Patents

RECEIVED
DEC 20 1995
PATENT DEPT. TE

PTOL-90 (Rev. 6/84)

2 - APPLICANT'S COPY

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address : COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

THE DOW CHEMICAL COMPANY
PATENT DEPARTMENT B 1211
2301 BRAZOSPORT BLVD
FREEPORT TX 77541

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
			12/4/95

EXAMINER	
ART UNIT	PAPER NUMBER
	20

DATE MAILED:

NOTICE OF ABANDONMENT

This application is abandoned in view of:

1. ☒ Applicant's failure to respond to the Office letter, mailed 4-18-95 .
2. ☐ Applicant's letter of express abandonment which is in compliance with 37 C.F.R. 1.138.
3. ☐ Applicant's failure to timely file the response received _____ within the period set in the Office letter.
4. ☐ Applicant's failure to pay the required issue fee within the statutory period of 3 months from the mailing date of _____ of the Notice of Allowance.

   ☐ The issue fee was received on _____ .

   ☐ The issue fee has not been received in Allowed Files Branch as of _____ .

   In accordance with 35 U.S.C. 151, and under the provisions of 37 C.F.R. 1.316(b), applicant(s) may petition the Commissioner to accept the delayed payment of the issue fee if the delay in payment was unavoidable. The petition must be accompanied by the issue fee, unless it has been previously submitted, in the amount specified by 37 C.F.R. 1.17 (l), and a verified showing as to the causes of the delay.

   If applicant(s) never received the Notice of Allowance, a petition for a new Notice of Allowance and withdrawal of the holding of abandonment may be appropriate in view of Delgar Inc. v. Schuyler, 172 U.S.P.Q. 513.

5. ☐ Applicant's failure to timely correct the drawings and/or submit new or substitute formal drawings by _____ as required in the last Office action.

   ☐ The corrected and/or substitute drawings were received on _____ .

6. ☐ The reason(s) below.

David Wu

DAVID W. WU
PRIMARY EXAMINER
GROUP 1500

PTO-1432 (REV. 5-83)

C-40121-A4

Received NEW PATENT APPLICATION in the U.S. Patent Office re: Fee Sheet x 2;

Title: Fabricated Articles made from Ethylene Polymer Blends

Applicant: Pak-Wing Steve Chum, et al.

Pages of Spec: 33

Number of Claims: 30

Sheets of Drawings: –

Declaration attached.

Fee: $ 1045.00 charged to our Deposit Account

RECEIVED NOV 29 1995 PATENT DEPT. TEL

MAIL ROOM OCT 18 1995 25 PAT. & TRADEMARK OFF.

SPK/sll 08/544497

PTO-103X
(Rev. 8-95)

FILING RECEIPT MAILED TO MDAA

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
08/544,497	10/18/95	1505	$1,048.00	C-40.121-AU	2	30	4

OSBORNE K MCKINNEY
2301 BRAZOSPORT BLVD B-1211
FREEPORT TX 77541

RECEIVED
DEC - 5 1995
PATENT DEPT. TEXAS

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

PAK-WING S. CHUM, LAKE JACKSON, TX; RONALD P. MARKOVICH, FRIENDSWOOD, TX; GEORGE W. KNIGHT, LAKE JACKSON, TX; SHIH-YAW LAI, SUGAR LAND, TX.

CONTINUING DATA AS CLAIMED BY APPLICANT-
THIS APPLN IS A CON OF 08/378,998 01/27/95
WHICH IS A CIP OF 07/776,130 10/15/91 PAT 5,272,236

FOREIGN FILING LICENSE GRANTED 11/28/95
TITLE
FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

PRELIMINARY CLASS: 526

(verse)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

"Express Mail" mailing label number TB192922488US
Date of Deposit October 18, 1995
I hereby certify that this paper or fee is being deposited with the United States Postal Service, with sufficient postage "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231
Stephen P. Krupp
(Typed or printed name of person mailing paper or fee)
(Signature of person mailing paper or fee)

Docket No. C-40,121-AU
Anticipated Classification of this Application:
Class 526 Subclass
Prior Application:
Examiner David Wu
Art Unit 1505

The Commissioner of Patents and Trademarks
Washington D.C. 20231

Sir:

This is a request for filing a ☒ continuation) divisional)
application under 37 CFR 1.60 and claiming benefit under 35 USC 120
of pending prior application Serial No. 08378,998
filed on January 27, 1995 of Pak-Wing Steve Chum; Ronald P. Markovich; George W. Knight; Shih-Yaw Lai
for FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS.

1. ☒ Enclosed is a copy of the prior application, including the oath or declaration as originally filed.
2. ☐ Cancel in this application original claims _____ of the prior application before calculating the filing fee.
3. ☒ The filing fee is calculated below.

For	Number Filed			Number Extra		Rate	Basic Fee $750.00
Total Claims	30	- 20	=	10	x	$ 22.00 =	220
Independent Claims	4	- 3	=	1	x	$ 78.00 =	78
Multiple Dependent Claims Presented						$250.00 =	
Total Filing Fee						=	$ 1,048

4. ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Account No. 04-1512 This sheet is enclosed in triplicate.
5. ☒ Amend the specification by inserting after Title of the Invention: – Cross-Reference to Related Application. This is a ☒ continuation divisional of application Serial No., 08378,998 filed January 27, 1995. –
6. ☐ Transfer the drawings from the prior application to this application and abandon said prior application as of the filing date accorded this application. A duplicate copy of this sheet is enclosed for filing in the prior application file. (May only be used if signed by person authorized in Rule 138 and before payment of base issue fee.)
7. ☒ New drawings are enclosed.
8. ☒ The prior application is assigned to The Dow Chemical Company by virtue of an unrecorded assignment.
   ☐ The prior application is assigned of record to _____ and is recorded at Reel No. _____ Frame No. _____.
9. ☒ The inventorship of this application is the same as that of the prior copending U.S. application. Fewer inventors are to be named in this application than in the prior copending U.S. application. Delete _____ as inventor(s) in this application.
10. ☒ The Power of Attorney in the prior application is to STEPHEN P. KRUPP, Reg. No. 34,366; L. Wayne White, Reg. No. 25,415; Glenn H. Korfhage, Reg. No. 27,204; Richard G. Waterman, Reg. No. 20,128.
    Please address all communications to Osborne K. McKinney, 2301 Brazosport Blvd., B-1211; Freeport, Texas 77541.
    a. ☒ The power appears in the original papers in the prior application.
    b. ☐ The power does not appear in the original papers. A copy of the power in the prior application is enclosed.
    c. ☒ Recognize as Associate Attorney Osborne K. McKinney whose Registration No. is P-40,084 and whose phone number is (409) 238-7889.
11. ☐ A Preliminary Amendment is enclosed. (Claims added by this amendment have been properly numbered consecutively beginning with the number next following the highest numbered original claim in the prior application.)
12. ☐ A new Disclosure Statement is enclosed.
    ☐ Applicant(s)' Disclosure Statement is as filed with the parent application (copy attached).
13. ☒ I hereby verify that the attached papers are a true copy of prior application Serial No. 08/378,998 as originally filed on January 27, 1995, with the exception that the attorney's docket number in the lower left-hand corner of each paper has been adjusted to reflect the instant application.

The undersigned declares further that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issuing thereon.

10-18-95
(Date)

Stephen P. Krupp
Registration No. 34,366
Phone: 409-238-2889

C-40,121-AU

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Pak-Wing Steve Chum, et al.	Art Unit: 1505
Serial No.: 08/544,497	Examiner: D. Wu
Filed: October 18, 1995	
Attorney Docket No.: C-40,121-AU	

For: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

Hon. Commissioner of Patents & Trademarks
Washington, D.C. 20231

Attention: APPLICATION PROCESSING DIVISION'S
CUSTOMER CORRECTION BRANCH

REQUEST FOR CORRECTION OF FILING RECEIPT

Sir:

Applicants hereby request that the Filing Receipt be corrected to include reference to application number 08/054,379 such that the section captioned "CONTINUING DATA AS CLAIMED BY APPLICANT" recites:

"THIS APPLN IS A CON OF 08/378,998 01/27/95 WHICH IS A CON OF 08/054,379 04/28/93 WHICH IS A CIP OF 07/776,130 10/15/91 PAT 5,272,236"

Documentation to support the above correction is being submitted herewith as attachments. The documentation includes Office Stamped Postcards, Declarations, Fee Sheets and Extension of Time petitions.

Respectfully submitted,

By _____
Osborne K. McKinney
Registration No. 40,084
Phone: (409) 238-7889

Dated: October 8, 1996
The Dow Chemical Company
Patent Department
Building B-1211
Freeport, Texas 77541
OKM/okm

08/054379

C- 40,121-G

Continuation-in-part

Received NEW PATENT APPLICATION in the U.S. Patent Office re: Fee Sheet plus 2 copies

Title: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

Applicant: Pak-Wing Steve Chum et al.

Pages of Spec:

Number of Claims: 30

Sheets of Drawings: 2

Declaration attached. Yes

Fee: $1,004.00 charged to our Deposit Account.

MAIL ROOM APR 28 1993 PAT. & TRADEMARK OFF.

LWW/mfg

MAILED TO MIDLAND

C-40,121-G JUL 26 1993

Received in the U.S. Patent and Trademark Office:
Declaration and Power of Attorney
Fee sheet for filing declaration + 2 copies

MAIL ROOM JUL 23 PAT. & TRAD.

Applicant: Pak-Wing Steve Chum
Serial No.: 08/054,379
Filed: April 28, 1993
Title: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

JUL 26 1993

LWW/mfg
7/7/93

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Pak-Wing Steve Chum
Serial No.: 08/054379 Group Art Unit:
Filed: April 28, 1993 Examiner:
For: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231, On July 7, 1993
DATE OF DEPOSIT
Margaret Greene
PRINT OR TYPE NAME OF PERSON SIGNING CERTIFICATE
Margaret Greene
SIGNATURE OF PERSON SIGNING CERTIFICATE
July 7, 1993
DATE OF SIGNATURE

Hon. Commissioner of Patents & Trademarks
Washington, D.C. 20231

Sir:

FILING OF DECLARATION

Filed herewith is the Declaration and Power of Attorney in the above-identified patent application. The filing date of the application is as noted above.

The $130.00 fee for the separate filing of this Declaration required under 37 CFR 1.16(e) may be charged to our Deposit Account No. 04-1512. Duplicate copies of this sheet are enclosed.

Respectfully submitted,

By L. Wayne White

L. Wayne White
Registration No. 25,415
Phone: 409-238-2149

Freeport, Texas 77541
LWW/mfg

C-40,121-G -1-

This Declaration and Power of Attorney 1000 is in the ENGLISH language and has the same meaning in other languages with the same 1000 number.

DECLARATION AND POWER OF ATTORNEY

USA/PCT

As a below named inventor, I hereby declare that:

(a) My residence and Citizenship are as stated below my name. My P.O. (mailing) address is the same as my residence unless otherwise stated.

(b) I verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

and the specification of which: is attached hereto (C-).

(check one) X was filed on April 28, 1993 as (C- 40,121-G).

Application No 08/054379

and was amended on

(c) I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

(d) I acknowledge my duty under 37 CFR 1.56 to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56(b). I acknowledge the same duty of disclosure with respect to information which is first published or which arises after the filing date of any prior application claimed under paragraph (f) to the extent that the subject matter of any claim of this application is not disclosed in the prior United States application.

(e) I hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)			PRIORITY CLAIMED
Number	Country	Day/Month/Year Filed	YES NO

(f) I hereby Claim the benefit under Title 35, United States Code § 120 of any United States applications(s) listed below:

Application Serial No.	Filing Date	Status (Patented, Pending, Abandoned)
07/776,130	October 15, 1991	Pending

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. Address all correspondence to: THE DOW CHEMICAL COMPANY, Patent Dept., B-1211, Freeport, TX 77541 and telephonic communications to the following:

(1)	Stephen P. Krupp	(TEL (409)238-2889	Reg. No 34,366
(2)	L. Wayne White		Reg. No 25,415
(3)	Glenn H. Korfhage		Reg No 27,204
(4)	Richard G. Waterman		Reg. No. 20,128

This appointment, including the right to delegate this appointment, shall also apply to the same extent to any proceedings established by the Patent Cooperation Treaty.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Title 18, United States Code § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor(s):

At Freeport, Texas 77541, U.S.A

this 7th day of June 19 93

Signature Pak-Wing Steve Chum

Full Name: Pak-Wing Steve Chum
Residence: 126 Juniper Street
City, State, Zip: Lake Jackson, Texas 77566
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence

At Freeport, Texas 77541, U.S.A.

this 8th day of June 19 93

Signature Ronald P. Markovich

Full Name: Ronald P. Markovich
Residence: 1403 Bayou Oak Drive
City, State, Zip: Friendswood, Texas 77546
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence

At Freeport, Texas 77541, U.S.A.

this 7 day of June 19 93

Signature George W. Knight

Full Name: George W. Knight
Residence: 1618 North Road
City, State, Zip: Lake Jackson, Texas 77566
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence

At Freeport, Texas 77541, U.S.A.

this 8th day of June 19 93

Signature Shih-Yaw Lai

Full Name: Shih-Yaw Lai
Residence: 4523 Bermuda Drive
City, State, Zip: Sugar Land, Texas 77479
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence

( ) Additional names and signatures are attached.

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

DATE MAILED: 05/21/93

NOTICE TO FILE MISSING PARTS OF APPLICATION FILING DATE GRANTED

An Application Number and Filing Date have been assigned to this application. However, the items indicated below are missing. The required items and fees identified below must be timely submitted **ALONG WITH THE PAYMENT OF A SURCHARGE** for items 1 and 3-6 only of $130.00 for large entities or $65.00 for small entities who have filed a verified statement claiming such status. The surcharge is set forth in 37 CFR 1.16(e).

If all required items on this form are filed within the period set below, the total amount owed by applicant as a ~~large~~ entity, ☐ small entity (verified statement filed), is $130.00

Applicant is given ONE MONTH FROM THE DATE OF THIS LETTER, OR TWO MONTHS FROM THE FILING DATE of this application, WHICHEVER IS LATER, within which to file all required items and pay any fees required above to avoid abandonment. *Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).*

1. ☐ The statutory basic filing fee is: ☐ missing ☐ insufficient. Applicant as a ☐ large entity ☐ small entity, must submit $_____ to complete the basic filing fee.

2. ☐ Additional claim fees of $_____ as a ☐ large entity, ☐ small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

3. ☐ The oath or declaration:
   ☐ is missing.
   ☐ does not cover items omitted at time of execution.

   An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date is required.

4. ☐ The oath or declaration does not identify the application to which it applies. An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

5. ☑ The signature to the oath or declaration ~~is~~ ☐ missing; ☐ a reproduction; ☐ by a person other than the inventor or a person qualified under 37 CFR 1.42, 1.43, or 1.47. A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

6. ☐ The signature of the following joint inventor(s) is missing from the oath or declaration:

   _____. An oath or declaration listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

7. ☐ The application was filed in a language other than English. Applicant must file a verified English translation of the application and a fee of $_____ under 37 CFR 1.17(k), *unless this fee has* already been paid.

8. ☐ A $_____ processing fee is required for returned checks. (37 CFR 1.21(m)).

9. ☐ Your filing receipt was mailed in error because check was returned without payment.

10. ☐ The application does not comply with the Sequence Rules. See attached Notice to Comply with Sequence Rules 37 CFR 1.821-1.825.

11. ☐ Other.

~~Direct the response and any questions about this notice to~~ [illegible], Application Processing Division, Special Processing and Correspondence Branch (703) 308-1202.

TO-103X
(ev. 7-93)

FILING RECEIPT

SEP 2 1993
alb

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
08/054,379	04/28/93	1503	$1,134.00	C40121G	2	30	4

THE DOW CHEMICAL CO.
PATENT DEPARTMENT
BLDG. B-1211
DALLAS, TX 77541

RECEIVED
SEP - 2

Receipt is acknowledged of this patent application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

PAK-WING STEVE CHUM, LAKE JACKSON, TX; GEORGE W. KNIGHT, LAKE JACKSON, TX; RONALD P. MARKOVICH, FRIENDSWOOD, TX; SHIH-YAW LAI, SUGAR LAND, TX.

CONTINUING DATA AS CLAIMED BY APPLICANT-
THIS APPLN IS A CIP OF 07/776,130 10/15/91

FOREIGN FILING LICENSE GRANTED 08/26/93
TITLE:
FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

PRELIMINARY CLASS: 528

MAILED TO MIDLAND

(see reverse)

C- 40,121-G

Received in the U.S. Patent and Trademark Office:
Extension of Time (Original & 2 co



Applicant: Pak-Wing Steve Chum, et a
Serial No.: 08/054,379
Filed: April 28, 1993
Title: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

LWW/jka

1995

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Pak-Wing Steve Chum, et al.

Serial No.: 08/054,379 Group Art Unit: 1505

Filed: April 28, 1993 Examiner: D. Wu

For: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

"Express Mail" mailing label number TB 184 380 515
Date of Deposit January 27, 1995
I hereby certify that this paper or fee is being deposited with the United States Postal Service, with sufficient postage "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231
Jan Alverson
(Typed or printed name of person mailing paper or fee)
Jan Alverson
(Signature of person mailing paper or fee)

Hon. Commissioner of Patents & Trademarks
Washington, D.C. 20231

Sir:

EXTENSION OF TIME

Applicant(s) hereby request(s) that the shortened statutory period for response now set to expire October 27, 1994 in this application be extended for a period of three (3) month(s), the extended period then expiring on January 27, 1995. This is a second request for an extension of time.

Please charge $870.00 to our Deposit Account No. 04-1512. If this estimate is incorrect, please charge or credit our account accordingly. Two duplicate copies of this sheet are enclosed.

Respectfully submitted,

By L Wayne White

L. Wayne White
Registration No. 25,415
Address: Bldg. B-1211
Freeport, Texas 77541
Phone: 409-238-2149

LWW/jka

MAILED TO MID

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address : COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/054,379	04/28/93	CHUM F	C401215

15M2/0306

THE DOW CHEMICAL CO.
PATENT DEPARTMENT
BLDG. B-1211
DALLAS, TX 77541

RECEIVED
MAR 10 1995
PATENT DEPT. TEXAS

EXAMINER	
ART UNIT	PAPER NUMBER
1505	8

DATE MAILED: 03/06/95

NOTICE OF ABANDONMENT

This application is abandoned in view of:

1. ☒ Applicant's failure to respond to the Office letter, mailed 7/27/94.
2. ☐ Applicant's letter of express abandonment which is in compliance with 37 C.F.R. 1.138.
3. ☐ Applicant's failure to timely file the response received _____ within the period set in the Office letter.
4. ☐ Applicant's failure to pay the required issue fee within the statutory period of 3 months from the mailing date of _____ of the Notice of Allowance.
   - ☐ The issue fee was received on _____.
   - ☐ The issue fee has not been received in Allowed Files Branch as of _____.

   In accordance with 35 U.S.C. 151, and under the provisions of 37 C.F.R. 1.316(b), applicant(s) may petition the Commissioner to accept the delayed payment of the issue fee if the delay in payment was unavoidable. The petition must be accompanied by the issue fee, unless it has been previously submitted, in the amount specified by 37 C.F.R. 1.17 (l), and a verified showing as to the causes of the delay.

   If applicant(s) never received the Notice of Allowance, a petition for a new Notice of Allowance and withdrawal of the holding of abandonment may be appropriate in view of Delgar Inc. v. Schuyler, 172 U.S.P.Q. 513.
5. ☐ Applicant's failure to timely correct the drawings and/or submit new or substitute formal drawings by _____ as required in the last Office action.
   - ☐ The corrected and/or substitute drawings were received on _____.
6. ☐ The reason(s) below.

David Wu

DAVID W. WU
PATENT EXAMINER
GROUP 1500

PTO-1432 (REV. 5-83)

C- 40,121-AB

RECEIVED
FEB - 8 1995
PATENT DEPT. TEXAS

Received NEW PATENT APPLICATION in the U.S. Patent Office re: Rule 1.62 Continuation Fee Sheet (original & 2 copies)

Title: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

Applicant: Pak-Wing Steve Chum, et al.

~~Pages of Spec.~~

Number of Claims: 15

Sheets of Drawings: 0

~~Declaration enclosed~~

Fee: $ 730.00 charged to our Deposit Account

MAIL ROOM
74 JAN 27 1995
PAT. & TRADEMARK OFF.

LWW/ika

Mailed via Express Mail
January 27, 1995

08/378998

PTO-103X
Rev. 7-93)

FILING RECEIPT

MAILED TO MD/LAND

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
08/378,998	01/27/95	1505	$730.00	C-40.121-AB	2	15	2

THE DOW CHEMICAL COMPANY
PATENT DEPARTMENT B 1211
2301 NORTH BRAZOSPORT BLVD
FREEPORT TX 77541

RECEIVED
MAR 3 1995
PATENT DEPT. TEXAS

Receipt is acknowledged of this patent application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s) PAK-WING STEVE CHUM, LAKE JACKSON, TX; GEORGE W. KNIGHT, LAKE JACKSON, TX; RONALD P. MARKOVICH, FRIENDSWOOD, TX; SHIH-YAW LAI, SUGAR LAND, TX.

CONTINUING DATA AS CLAIMED BY APPLICANT-
THIS APPLN IS A CON OF 08/054,379 04/28/93
WHICH IS A CON OF 07/776,130 10/15/91 PAT 5,272,236

TITLE
FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

PRELIMINARY CLASS: 526

(see reverse)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Pak-Wing Steve Chum, et al.
Serial No.: 08/054,379
Filed: April 28, 1993
Group Art Unit: 1505
Examiner: D. Wu
For: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

"Express Mail" mailing label number IB 184 380 515
Date of Deposit January 27, 1995
I hereby certify that this paper or fee is being deposited with the United States Postal Service, with sufficient postage "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231
Jan Alverson
(Typed or printed name of person mailing paper or fee)
Jan Alverson
(Signature of person mailing paper or fee)

BOX FWC
The Commissioner of Patents and Trademarks
Washington D.C. 20231

Sir:

This is a request for filing a ☒ continuation ☐ divisional ☐ continuation-in-part) application under) 37 C.F.R. 1.62.

1. The following information is provided in accordance with 37 C.F.R. 1.62(h) (if different from originally filed or that stated in the Declaration and Power of Attorney presently of record):
   (a) Title:
   (b) Names and addresses of Applicant(s):
2. Priority claim ☐ has ☒ has not been made pursuant to 35 USC 119, and if so, is identified as follows:
3. ☐ Cancel in this application claims _____ of the prior application before calculating the filing fee.
4. ☐ A Preliminary Amendment is enclosed.
5. ☒ The filing fee is calculated below.

For	Number Filed			Number Extra		Rate	Basic Fee $730.00
Total Claims	15	- 20	=	0	x	$ 22.00 =	0
Independent Claims	2	- 3	=	0	x	$ 76.00 =	0
Multiple Dependent Claims Presented						$240.00 =	0
Total Filing Fee						=	$ 730

6. ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Account No. 04-1512. This sheet is enclosed in triplicate.
7. ☒ Amend the specification by inserting after Title of the Invention: -- Cross-Reference to Related Application. This is a ☒ continuation ☐ divisional ☐ continuation-in-part of application Serial No. 08/054,379, filed April 28, 1993. --
8. ☐ A new declaration or oath is attached pursuant to 37 C.F.R. 1.62(c).
9. ☐ New drawings are enclosed.
10. ☒ The inventorship of this application is the same as that of the prior copending U.S. application.
    ☐ Fewer inventors are to be named in this application than in the prior copending U.S. application. Delete _____ as inventor(s) in this application.
    ☐ The inclusion of additional claimed subject matter in this application requires that additional inventor(s) be named. The additional inventor(s) are identified in No. 1 above and a new oath or declaration is enclosed.
11. ☐ Enter the amendment previously filed on _____, but unentered, in the prior application.
12. ☐ A new Disclosure Statement is enclosed.
    ☒ Applicant(s)' Disclosure Statement is as filed with the parent application.
13. ☒ The Power of Attorney in the prior application is to STEPHEN P. KRUPP, Reg. No. 34,366; L. Wayne White, Reg. No. 25,415; Glenn H. Korfhage, Reg. No. 27,204; Richard G. Waterman, Reg. No. 20,128.
    Please address all communications to The Dow Chemical Company, Patent Department, B-1211, 2301 N. Brazosport Blvd., Freeport, Texas 77541.
    a. ☒ The power appears in the original papers in the prior application.
    b. ☐ The power does not appear in the original papers. A copy of the power in the prior application is enclosed.
    c. ☒ Recognize as Associate Attorney Noreen D. Warrick whose Registration No. is 34,573 and whose phone number is 409-238-4510.

1/27/95
(Date)

L. Wayne White
Registration No. 25,415
Phone: 409-238-2149

C-40,121-AB
NDW/jka

CRYSTAL PATENT SERVICES® LTD.
Eva M. Pelfrey

Suite 506-2001 Jefferson Davis Highway
Arlington, Virginia 22202
(703) 415-0680

FAX No. (703) 415-0682

September 30, 1995

Re: S.N. 08/ 378,998, Filed 01/27/95
to Chum
Your Ref:
My Ref: 5092053

Dear Mr. McKinney:

In the matter of the above-mentioned application, this is to advise that the Extension of Time and related papers were hand-delivered personally to Examiner Wu in Group Art Unit 150 September 21, 1995 as shown by the enclosed, date-initialed receipt.

Best regards.

Jason

C- 40,121-AB

Received in the U.S. Patent and Trademark Office:
3 Mo. Ext. of Time plus 2 copies
Added Claims Fee Sheet plus 2 copies
Response After Final Rejection
Declaration of Ronald P. Markovich

Applicant: Pak-Wing Steve Chum
Serial No.: 08/378,998
Filed: January 27, 1995
Title: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

OKM/mfg

9/21/95

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Pak-Wing Steve Chum et al.

Serial No.: 08/378,998 Group Art Unit: 1505

Filed: January 27, 1995 Examiner: David Wu

For: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

Hon. Commissioner of Patents & Trademarks
Washington, D.C. 20231

Sir:

EXTENSION OF TIME

Applicant(s) hereby request(s) that the shortened statutory period for response now set to expire July 18, 1995 in this application be extended for a period of three (3) month(s), the extended period then expiring on October 18, 1995. This is a first request for an extension of time.

Please charge $870 to our Deposit Account No. 04-1512. If this estimate is incorrect, please charge or credit our account accordingly. Two duplicate copies of this sheet are enclosed.

Respectfully submitted,

By _____
Osborne K. McKinney
Registration No. P-40,084
Phone: (409) 238-7889

Freeport, Texas 77541

OKM/mfg
C-40,121-AB

MAILED TO MID

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/378,998	01/27/95	CHUM	P C-40.121-AB

1SM2/1214

THE DOW CHEMICAL COMPANY
PATENT DEPARTMENT B 1211
2301 NORTH BRAZOSPORT BLVD
FREEPORT TX 77541

EXAMINER	
ART UNIT	PAPER NUMBER
1505	20

DATE MAILED: 12/14/95

Please find below a communication from the EXAMINER in charge of this application.

Commissioner of Patents

RECEIVED
DEC 20 1995
TENT DEPT. TX

PTOL-90 (Rev. 6/84)

2 - APPLICANT'S COPY

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address : COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

THE DOW CHEMICAL COMPA
PATENT DEPARTMENT B 1211
PREEPORT TX 77541

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.

EXAMINER	
ART UNIT	PAPER NUMBER
	20

DATE MAILED:

NOTICE OF ABANDONMENT

This application is abandoned in view of:

1. ☒ Applicant's failure to respond to the Office letter, mailed 4-18-95 .
2. ☐ Applicant's letter of express abandonment which is in compliance with 37 C.F.R. 1.138.
3. ☐ Applicant's failure to timely file the response received _____ within the period set in the Office letter.
4. ☐ Applicant's failure to pay the required issue fee within the statutory period of 3 months from the mailing date of _____ of the Notice of Allowance.

   ☐ The issue fee was received on _____ .

   ☐ The issue fee has not been received in Allowed Files Branch as of _____ .

   In accordance with 35 U.S.C. 151, and under the provisions of 37 C.F.R. 1.316(b), applicant(s) may petition the Commissioner to accept the delayed payment of the issue fee if the delay in payment was unavoidable. The petition must be accompanied by the issue fee, unless it has been previously submitted, in the amount specified by 37 C.F.R. 1.17 (l), and a verified showing as to the causes of the delay.

   If applicant(s) never received the Notice of Allowance, a petition for a new Notice of Allowance and withdrawal of the holding of abandonment may be appropriate in view of Delgar Inc. v. Schuyler, 172 U.S.P.Q. 513.

5. ☐ Applicant's failure to timely correct the drawings and/or submit new or substitute formal drawings by _____ as required in the last Office action.
   ☐ The corrected and/or substitute drawings were received on _____ .
6. ☐ The reason(s) below.

David Wu

DAVID W. WU
PRIMARY EXAMINER
GROUP 1500

PTO-1432 (REV. 5-83)

RECEIVED
NOV 29 1995

Received NEW PATENT APPLICATION in the U.S. Patent Office re: Fee Sheet x2;

Title: Fabricated Articles Made From Ethylene Polymer Blends

Applicant: Pak-wing Steve Chum, et al.

Pages of Spec: 33

Number of Claims: 30

Sheets of Drawings: –

Declaration attached.

Fee: $1045.00 charged to our Deposit Account

MAIL ROOM
OCT
18
1995
25
U.S. PATENT & TRADEMARK OFFICE

08/544497

SPK/sll

PTO-103X
(Rev. 8-95)

FILING RECEIPT FAILED TO MEDIA

UNITED STAT ARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
08/544,497	10/18/95	1505	$1,048.00	C-40.121-AU	2	30	4

OSBORNE K MCKINNEY
2301 BRAZOSPORT BLVD B-1211
FREEPORT TX 77541

RECEIVED
DEC - 5 1995
PATENT DEPT. TEXAS

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

PAK-WING S. CHUM, LAKE JACKSON, TX; RONALD P. MARKOVICH, FRIENDSWOOD, TX; GEORGE W. KNIGHT, LAKE JACKSON, TX; SHIH-YAW LAI, SUGAR LAND, TX.

CONTINUING DATA AS CLAIMED BY APPLICANT-
THIS APPLN IS A CON OF 08/378,998 01/27/95
WHICH IS A CIP OF 07/776,130 10/15/91 PAT 5,272,236

FOREIGN FILING LICENSE GRANTED 11/28/95
TITLE
FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

PRELIMINARY CLASS: 526

(verse)

"Express Mail" mailing label number TB192922488US
Date of Deposit October 18, 1995
I hereby certify that this paper or fee is being deposited with the United States Postal Service, with sufficient postage "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231
Stephen P. Krupp
(Typed or printed name of person mailing paper or fee)
(Signature of person mailing paper or fee)

Docket No. C-40,121-AU
Anticipated Classification of this Application:
Class 526 Subclass
Prior Application:
Examiner David Wu
Art Unit 1505

The Commissioner of Patents and Trademarks
Washington D.C. 20231

Sir:

This is a request for filing a ☒ continuation) divisional)
application under 37 CFR 1.60 and claiming benefit under 35 USC 120
of pending prior application Serial No. 08378,998
filed on January 27, 1995 of Pak-Wing Steve Chum; Ronald P. Markovich; George W. Knight; Shih-Yaw Lai
for FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS.

1. ☒ Enclosed is a copy of the prior application, including the oath or declaration as originally filed.
2. ☐ Cancel in this application original claims _____ of the prior application before calculating the filing fee.
3. ☒ The filing fee is calculated below.

For	Number Filed			Number Extra		Rate	Basic Fee $750.00
Total Claims	30	- 20	=	10	x	$ 22.00 =	220
Independent Claims	4	- 3	=	1	x	$ 78.00 =	78
Multiple Dependent Claims Presented						$250.00 =	
Total Filing Fee						=	$ 1,048

4. ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Account No. 04-1512 This sheet is enclosed in triplicate.
5. ☒ Amend the specification by inserting after Title of the Invention: -- Cross-Reference to Related Application. This is a ☒ continuation divisional of application Serial No., 08378,998 filed January 27, 1995 .--
6. ☐ Transfer the drawings from the prior application to this application and abandon said prior application as of the filing date accorded this application. A duplicate copy of this sheet is enclosed for filing in the prior application file. (May only be used if signed by person authorized in Rule 138 and before payment of base issue fee.)
7. ☒ New drawings are enclosed.
8. ☒ The prior application is assigned to The Dow Chemical Company by virtue of an unrecorded assignment.
   ☐ The prior application is assigned of record to _____ and is recorded at Reel No. _____ Frame No. _____.
9. ☒ The inventorship of this application is the same as that of the prior copending U.S. application. Fewer inventors are to be named in this application than in the prior copending U.S. application. Delete _____ as inventor(s) in this application.
10. ☒ The Power of Attorney in the prior application is to STEPHEN P. KRUPP, Reg. No. 34,366; L. Wayne White, Reg. No. 25,415; Glenn H. Korfhage, Reg. No. 27,204; Richard G. Waterman, Reg. No. 20,128
    Please address all communications to Osborne K. McKinney, 2301 Brazosport Blvd., B-1211; Freeport, Texas 77541.
    a. ☒ The power appears in the original papers in the prior application.
    b. ☐ The power does not appear in the original papers. A copy of the power in the prior application is enclosed.
    c. ☒ Recognize as Associate Attorney Osborne K. McKinney whose Registration No. is P-40,084 and whose phone number is (409) 238-7889.
11. ☐ A Preliminary Amendment is enclosed. (Claims added by this amendment have been properly numbered consecutively beginning with the number next following the highest numbered original claim in the prior application.)
12. ☐ A new Disclosure Statement is enclosed.
    ☐ Applicant(s)' Disclosure Statement is as filed with the parent application (copy attached).
13. ☒ I hereby verify that the attached papers are a true copy of prior application Serial No. 08/378,998 as originally filed on January 27, 1995, with the exception that the attorney's docket number in the lower left-hand corner of each paper has been adjusted to reflect the instant application.

The undersigned declares further that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that *willful false statements may jeopardize* the validity of the application or any patent issuing thereon.

10-18-95
(Date)

Stephen P. Krupp
Registration No. 34,366
Phone: 409-238-2889

C-40,121-AU

Sheet 1 of 6

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO. C-40121-C

SERIAL NO.: 08/~~024,563~~ 544497

APPLICANT: Nicole F. Whitman et al.

FILING DATE: 03/01/93

GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 0 6 4 8 0 2	11-12-91	Stevens et al.			
		5 0 5 5 4 3 8	10-08-91	Canich			
		5 0 4 1 5 8 5	08-20-91	Deavenport et al.			
		5 0 4 1 5 8 4	08-20-91	Crapo et al.			
		5 0 2 6 7 9 8	06-25-91	Canich			
		5 0 1 5 7 4 9	05-14-91	Schmidt et al.			
		4 9 8 1 7 6 0	01-01-91	Naito et al.			
		4 9 6 3 4 1 9	10-16-90	Lustig et al.			
		4 9 5 2 4 5 1	08-28-90	Mueller			
		4 9 2 7 7 0 8	05-22-90	Herran et al.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		The Encyclopedia of Chemical Technology, Kirk-Othmer, Third Edition, John Wiley & Sons,
		New York, 1981, Vol.16, pp. 416-417
		The Encyclopedia of Chemical Technology, Kirk-Othmer, Third Edition, John Wiley & Sons,
		New York, 1981, Vol. 18, pp. 191-192
		K. R. Osborn and W. A. Jenkins in "Plastic Films, Technology and Packaging Applications"
		(Technomic Publishing Co., Inc. (1992))

EXAMINER: DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Rev. 9-88

References of
The following 45 sheets are not considered since there are no copies attached to Paper No: 7. DWJ 12/13/96

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.:
C-40121-C	08/024,563
APPLICANT: Nicole F. Whitman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 8 6 5 9 0 2	09-12-89	Golike et al.			
		4 8 2 0 5 5 7	04-11-89	Warren			
		4 7 9 8 0 8 1	01-17-89	Hazlitt et al.			
		4 5 4 4 7 6 2	10-01-85	Kaminsky et al.			
		4 4 8 6 5 5 2	12-04-84	Niemann			
		4 3 5 2 8 4 9	10-05-82	Mueller			
		4 4 2 9 0 7 9	01-31-84	Shibata et al.			
		4 0 7 6 6 9 8	02-28-78	Anderson et al.			
		3 9 1 4 3 4 2	10-21-75	Mitchell			
		3 4 5 6 0 4 4	07-15-69	Pahlke			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Wild et al, Journal of Polymer Science, Poly. Phys. Ed. Vol. 20, p. 441 (1982)
		Williams and Word in Journal of Polymer Science, Polymer Letters, Vol.6, (621) 1968
		"Packaging Machinery Operations: No. 8, Form-Fill-Sealing, A Self-Instructional Course" by
		C. G. Davis, Packaging Machinery Manufacturers Institute (April 1982)
		"The Wiley Encyclopedia of Packaging Technology" by M. Bakker (Editor), John Wiley &
		Sons (1986) (pp.334, 364-369)

EXAMINER: DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Rev. 9/88

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.:
C-40121-C	08/024,563
APPLICANT: Nicole F. Whitman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 2 0 6 0 7 5	04-27-93	Hodgson, Jr.			
		3 6 4 5 9 9 2	02-29-72	Elston			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Packaging: An Introduction, by S. Sacharow and A. L. Brody, Harcourt Brace Javanovich Publications, Inc.(1987) (pp. 322-326)
		"Laminations Vs. Coextrusion" by D. Dumbleton, Converting Magazine, September 1992
		Packaging Foods With Plastics, by Wilmer A. Jenkins and James P. Harrington (1991)
		"Coextrustion Basics" by Thomas I. Butler, Film Extrusion Manual: Process, Materials, Properties, pp. 31-80 (published by TAPPI Press (1992))

EXAMINER: DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. 9/88

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.:
C-40121-C	08/024,563
APPLICANT: Nicole F. Whitman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			"Coextrusion for Barrier Packaging" by W. J. Schrenk and C. R. Finch, Society of Plastics
			Engineers RETEC Proceedings, June 15-17 (1981), pp.211-229
			1991 Polymers, Laminations & Coatings Conference Proceedings, pp.289-296, "A New
			Family of Linear Ethylene Polymers Provides Enhanced Sealing Performance" by Dirk G. F.
			Van der Sanden and Richard Halle

EXAMINER: DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Rev. 9/88

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.:
C-40121-C	08/024,563
APPLICANT: Nicole F. Whitman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		ANTEC '92 Proceedings, pp.154-158 ("Exact ™ Linear Ethylene Polymers for Enhanced Sealing Performance" by D. Van der Sanden and R. W. Halle)
		1992 Polymers, Laminations & Coatings Conference Proceedings, "A New Family of Ethylene Polymers with Enchanced Sealing Performance designed for Multilayer Barrier Packaging Films" by D. Van Sandern and R. W. Halle

EXAMINER: DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Rev. 9/88

Sheet 6 of 6

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40121-C	SERIAL NO.: 08/024,563
APPLICANT: Nicole F. Whitman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Society of Plastic Engineers Proceedings, Polyolefins VIII International Conference, Feb.24-27,
			1991, "Structure/Property Relationships in Expol™ Polymers", pp.45-66, Speed et al.
			Proceedings of the 1991 IEEE Power Engineering Society, pp. 184-190, Sept. 22-27,
			1991, "New Speciality Linear Polymers (SLP) for Power Cables", Hendewerk and Spenadel
			Randall (Rev. Macromol. Chem. Phys., C29 (2&3), p 285-297)

EXAMINER: DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Rev 9-88

Sheet 1 of 2

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.: C-40,121-C	SERIAL NO.: 08/024,563
APPLICANT: Nicole F. Whiteman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 2 4 3 6 1 9	01-06-81	Fraser et al.			
		5 1 3 2 0 7 4	07-21-92	Isozaki et al.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		2 2 0 6 8 90 A	01-18-89	Great Britain				
		1 4 1 5 9 7 A1	05-15-85	EPO				
		4 1 6 8 1 5 A2	03-13-91	EPO				
		4 5 2 9 2 0 A2	10-23-91	EPO				
		4 9 5 0 9 9 A1	07-22-92	EPO				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		MODERN PLASTICS INTERNATIONAL, vol. 23, no. 8, August 1993, pages 40-41,
		Don Schwank "Single-site metallocene catalysts yield tailor-made polyolefin resins"

EXAMINER: DATE CONSIDERED:

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Rev. 9 95

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40,121-C	SERIAL NO.: 08/024,563
APPLICANT: Nicole F. Whiteman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		9214784	09-03-92	WO				
		9307221	04-15-93	WO				
		9308221	04-29-93	WO				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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Rev. 9 93

Sheet 1 of 2

FORM 1449

INFORMATION DISCLOSURE CITATION
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ATTY. DOCKET NO.: 40,121-F	SERIAL NO.: 08/055/063
APPLICANT: Kim L. Walton et al.	
FILING DATE: 04/28/93	GROUP: 1504

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 2 4 3 6 1 9	01-06-81	Fraser et al.			
		5 1 3 2 0 7 4	07-21-92	Isozaki et al.			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		2 2 0 6 8 90 A	01-18-89	Great Britain				
		1 4 1 5 9 7 A1	05-15-85	EPO				
		4 1 6 8 1 5 A2	03-13-91	EPO				
		4 5 2 9 2 0 A2	10-23-91	EPO				
		4 9 5 0 9 9 A1	07-22-92	EPO				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		MODERN PLASTICS INTERNATIONAL, vol. 23, no. 8, August 1993, pages 40-41,
		Don Schwank "Single-site metallocene catalysts yield tailor-made polyolefin resins"

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FORM 1449

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ATTY. DOCKET NO.: C-40,121-F	SERIAL NO.: 08/055/063
APPLICANT: Kim L. Walton et al.	
FILING DATE: 04/28/93	GROUP: 1504

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		9 2 1 4 7 8 4	09-03-92	WO				
		9 3 0 7 2 1 0	04-15-93	WO				
		9 3 0 8 2 2 1	04-29-93	WO				

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Rev. 2.85

FORM PTO 1449 (modified)	Atty. Docket No. C-40,121-F	Serial No. 08/055,063
LIST OF REFERENCES CITED BY APPLICANT	Applicant: Kim L. Walton et al.	
	Filing Date: 04-28-93	Group: 1504

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA	0 597 502 A2	18-05-94	EP				
	BB	0 600 425 A1	08-06-94	EP				
	BC	94/07930	14-04-94	WO				
	BD	94/07954	14-04-94	WO				
	BE	94/18263	18-08-94	WO				

OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	C A		
	C B		
	C C		
	C D		
	C E		
	C F		

EXAMINER	DATE CONSIDERED

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FORM PTO 1449 (modified) LIST OF REFERENCES CITED BY APPLICANT	Atty. Docket No. C-40,121-F	Serial No. 08/055,063
	Applicant: Kim L. Walton et al.	
	Filing Date: 04-28-93	Group: 1504

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	CA	94/28064	08-12-94	WO				
	CB							
	CC							
	CD							
	CE							

OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	DA		
	DB		
	DC		
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	DF		

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FORM 1449

INFORMATION DISCLOSURE CITATION
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ATTY. DOCKET NO.: C-40121-F	SERIAL NO.: 08/055,063
APPLICANT: Kim L. Walton et al.	
FILING DATE: 04-28-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 2 0 6 0 7 5	04-27-93	Hodgson, Jr.			
		5 1 1 2 6 7 4	05-12-92	German et al.			
		5 1 0 6 6 8 8	04-21-92	Bradfute et al.			
		5 1 0 6 5 4 5	04-21-92	Warren			
		5 0 8 9 3 2 1	02-18-92	Chum et al.			
		5 0 7 5 1 4 3	12-24-91	Bekele			
		5 0 6 4 8 0 2	11-12-91	Stevens et al.			
		5 0 5 9 4 8 1	10-22-91	Lusting et al.			
		5 0 5 5 4 3 8	10-08-91	Canich			
		5 0 5 5 3 2 8	10-08-91	Evert et al.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	0	2 1 7 2 5 2 B1	11-13-91	EPO				
	0	2 4 3 9 6 5 A2	04-11-87	EPO				
	0	3 3 3 5 0 8 A2	09-20-89	EPO				
	0	4 0 4 9 6 9 A1	01-02-91	EPO				
	0	4 0 4 3 6 8 A2	12-27-90	EPO				

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	ANTEC '92 Proceedings, pp.154-158 ("Exact ™ Linear Ethylene Polymers for Enhanced Sealing Performance" by D. Van der Sanden and R. W. Halle)
	Society of Plastics Engineers, Polyolefins VII International Conference, Feb. 24-27, 1991, "Structure /Property Relationships in Exxpol ™ Polymers", pp.45-66, Speed et al.
	ACS Symposium Series No. 142, "Polymer Characterization by ESR and NMR", by Randall Williams and Word in Journal of Polymer Science, Polymer Letters, Vol. 6 p. 621 (1968)

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FORM 1449

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APPLICANT: Kim L. Walton et al.	
FILING DATE: 04-28-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 0 4 1 5 8 5	08-20-91	Deavenport et al.			
		5 0 4 1 5 8 4	08-20-91	Crapo et al			
		5 0 4 1 3 1 6	08-20-91	Parnell et al.			
		5 0 3 2 4 6 3	07-16-91	Smith			
		5 0 2 6 7 9 8	06-25-91	Canich			
		5 0 1 5 7 4 9	05-14-91	Schmidt et al.			
		5 0 0 6 3 9 8	04-09-91	Banerji			
		4 9 8 8 4 6 5	01-29-91	Lustig et al.			
		4 9 8 1 7 6 0	01-01-91	Naito et al.			
		4 9 7 7 0 2 2	12-11-90	Mueller			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	2	1 2 3 7 4 7 A	02-08-84	GB				
	9	1 0 6 4 2 6	05-16-91	WO				

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Rheometers for Molten, John Dealy, Van Nostrand Reinhold Co. (1982), pp. 97-99

The Encyclopedia of Chemical Technology, Kirtk-Othmer, Third Edition, John Wiley & Sons, New York, 1981, Vol. 16, pp. 415-417

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Rev 9/88

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40121-F	SERIAL NO.: 08/055,063
APPLICANT: Kim L. Walton et al.	
FILING DATE: 04-28-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 9 7 6 8 9 8	12-11-90	Lustig et al.			
		4 9 6 3 4 2 7	10-16-90	Botto et al.			
		4 9 6 3 4 1 9	10-16-90	Lustig et al.			
		4 9 5 7 7 9 0	09-18-90	Warren			
		4 9 5 2 4 5 1	08-28-90	Mueller			
		4 9 2 7 7 0 8	05-22-90	Herran et al.			
		4 8 8 6 6 9 0	12-12-89	Davis et al.			
		4 8 6 5 9 0 2	09-12-89	Golike et al.			
		4 8 6 3 7 8 4	09-05-89	Lustig et al.			
		4 8 6 3 7 6 9	09-05-89	Lustig et al.			

FOREIGN PATENT DOCUMENTS

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		The Encyclopedia of Chemical Technology, Kirk-Othmer, Third Edition, John Wiley & Sons
		New York, 1981, Vol. 18, pp. 191-192
		Journal of Polymer Science, Poly. Phys. Ed., "Determination of Branching Distributions
		in Polyethylene and Ethylene Copolymers", Vol. 20, pp. 441-455 (1982) Wild et al.
		Journal of Rhelogy, "Wall Slip in Viscous Fluids and Influence of Materials of Construction",
		30(2), pp. 337-257 (1986), by Ramamurthy

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FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40121-F	SERIAL NO.: 08/055,063
APPLICANT: Kim L. Walton et al.	
FILING DATE: 04-28-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 8 2 0 5 5 7	04-11-89	Warren			
		4 8 0 1 4 8 6	01-31-89	Quacquarella et al.			
		4 7 9 8 0 8 1	01-17-89	Hazlitt et al.			
		4 7 5 5 4 1 9	07-05-88	Shah			
		4 7 5 5 4 0 3	07-05-88	Ferguson			
		4 7 3 7 3 9 1	04-12-88	Lustig et al.			
		4 7 2 4 1 8 5	02-09-88	Shah			
		4 6 6 8 7 5 2	05-26-87	Tominari et al.			
		4 6 4 0 8 5 6	02-03-87	Ferguson			
		4 5 9 7 9 2 0	07-01-86	Golike			

FOREIGN PATENT DOCUMENTS

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		Proceedings of the 1991 IEEE Power Engineering Society, pp. 184-190, Sept. 22-27,
		1991, "New Speciality Linear Polymers (SLP) for Power Cables", by Hendewerk et al.
		1992 Polymers, Laminations & Coatings Conference, pp.103-111, " A New Family of Linear
		Ethylene Polymers with Enhanced Sealing Performance designed for Multilayer Barrier
		Food Packaging Films" by D. Van der Sanden and R. W. Halle

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Rev. 9/88

Sheet 5 of 5

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40121-F	SERIAL NO.: 08/055,063
APPLICANT: Kim L. Walton et al.	
FILING DATE: 04-28-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 5 4 4 7 6 2	10-01-85	Kaminsky et al.			
		4 4 8 6 5 5 2	12-04-84	Neimann			
		4 4 2 9 0 7 9	01-31-84	Shibata et al.			
		4 3 5 2 8 4 9	10-05-82	Mueller			
		4 0 7 6 6 9 8	02-28-78	Anderson et al.			
		3 9 1 4 3 4 2	10-21-75	Mitchell			
		3 6 4 5 9 9 2	02-29-72	Elston			
		3 5 5 5 6 0 4	01-19-71	Pahlke			
		3 4 5 6 0 4 4	07-15-69	Pahlke			
		3 3 7 1 4 6 4	03-05-68	Swick			

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		1991 Polymers, Laminations & Coatings Conference, pp. 289-296, "A New Family of Linear Ethylene Polymers Provides Enhanced Sealing Performance" by Van der Sanden et al.
		February 1992 Tappai Journal, pp. 99-103, " A New Family of Linear Ethylene Polymers Provides Enhanced Sealing Performance" by Van der Sanden et al.

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Sheet 1 of 4

ATTY. DOCKET NO.: C-40,121-I	SERIAL NO.: 08/084,054
APPLICANT: Todd J. Obijeski et al.	
FILING DATE: 06-29-93	GROUP: 1505

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 2 4 1 0 3 1	08-31-93	Mehta			
		5 2 1 8 0 7 1	06-08-93	Tsutsui et al.			
		5 2 0 6 0 7 5	04-27-93	Hodgson, Jr.			
		5 0 6 4 8 0 2	11-12-91	Stevens et al.			
		5 0 5 5 4 3 8	10-08-91	Canich			
		5 0 4 1 5 8 5	08-20-91	Deavenport et al.			
		5 0 4 1 5 8 4	08-20-91	Crapo et al.			
		5 0 2 6 7 9 8	06-25-91	Canich			
		5 0 1 5 7 4 9	05-14-91	Schmidt et al.			
		4 8 5 9 3 7 9	08-22-89	Chiang			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Roberts et al., ANTEC Proceedings'85, "New Process for the Reduction of Draw Resonance in Melt Embossing and Extrustion Coating", pp.104-7
		Lucchesi et al., Plastics Engineering, "Reducing draw resonance in LLDPE film resins", pp.87-90, May 1985
		ANTEC Proceedings 1989, "Resistance to Draw Resonance of Linear Low Density Polyethylene Through Improved Resin Design", pp. 28-30
		Randall, ACS Symposium Series No. 142, "Polymer Characterization by ESR and NMR", pp. 93-117 (1980)
		M. Shida et al., Polymer Engineering Science, Vol. 17, No. 11, "Correlation of Low Density Polyethylene Rheological Measurements with Optical and Processing Properties" pp. 769-774 (1977)
	V	John Dealy, Rheometers for Molten Plastics, Van Nostrand Reinhold Co., pp.97-99, (1982)

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Sheet 2 of 4

INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)*	ATTY. DOCKET NO.: C-40,121-I	SERIAL NO.: 08/084,054
	APPLICANT: Todd J. Obijeski et al.	
	FILING DATE: 06-29-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 7 9 8 0 8 1	01-17-89	Hazlitt et al.			
		4 7 8 0 2 6 4	10-25-88	Dohrer et al.			
		4 7 6 7 4 8 5	08-30-88	Michiels			
		4 6 6 8 4 6 3	05-26-87	Cancio et al.			
		4 6 2 6 5 7 4	12-02-86	Cancio et al.			
		4 6 0 8 2 2 1	08-26-86	Kurtz et al.			
		4 5 9 9 3 9 2	07-08-86	McKinney et al.			
		4 5 4 4 7 6 2	10-01-85	Kaminsky et al.			
		4 5 4 2 8 8 6	09-24-85	Yoshimura et al.			
		4 5 2 8 3 1 2	07-09-85	Edwards			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

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	✓	S. Lai et al., ANTEC '93 Proceedings, "Dow Constrained Geometry Catalyst Technology (CGCT) - New Rules for Ethylene α-Olefin Interpolymers - Controlled Rheology Polyolefins", New Orleans, LA, pp. 1182-92, (May 1993)
	✓	Ramamurthy, Journal of Rheology, "Wall Slip in Viscous Fluids and Influence of Materials of Construction", John Wiley & Sons, 30(2), pp. 337-357, (1986)
	✓	Wild et al., Journal of Polymer Science, Poly. Phys. Ed., "Determination of Branching Distributions in Polyethylene and Ethylene Copolymers", John Wiley & Sons, Vol. 20, p. 441 (1982)
		Williams and Ward, Journal of Polymer Science: Polymer Letters, Vol. 6, "The Construction of a Calibration Curve for Gel Permeation Chromatography using Polystyrene Fractions", pp. 621-627, (1968)

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FORM 1449

INFORMATION DISCLOSURE CITATION
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ATTY. DOCKET NO.: C-40,121-I	SERIAL NO.: 08/084,054
APPLICANT: Todd J. Obijeski et al.	
FILING DATE: 06-29-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,526,961	07-02-85	Edwards			
		4,488,655	12-04-84	Neimann			
		4,488,637	12-04-84	Lucchesi et al.			
		4,438,238	03-20-84	Fukushima et al.			
		4,427,837	01-24-84	Edwards			
		4,387,157	06-07-83	Schroeder et al.			
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		4,363,744	12-21-82	Liu			
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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FORM 1449

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ATTY. DOCKET NO.: C-40,121-I	SERIAL NO.: 08/084,054
APPLICANT: Todd J. Objeski et al.	
FILING DATE: 06-29-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,348,346	09-07-82	Thompson			
		4,338,955	07-13-82	Kurtz et al.			
		4,076,698	02-28-78	Anderson et al.			
		3,914,342	10-21-75	Mitchell			
		3,649,599	02-29-72	Elston			
		3,247,290	04-19-66	Werkman et al.			

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Sheet 1 of 1

FORM PTO 1449 (modified)	Atty. Docket No. C-40,121-O	Serial No. 08/289,985
LIST OF REFERENCES CITED BY APPLICANT	Applicant: Nicole F. Whiteman et al.	
	Filing Date: 08-12-94	Group: 1505

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA	5,444,145	08-22-95	Brant et al.	526	348.3	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA	WO 94/06857 A1	03-31-94	PCT	C08L	23/04		
	BB	WO 95/05942 A1	03-02-95	PCT	B32B	27/32		
	BC	WO 95/13321 A1	05-18-95	PCT	C08L	23/04		
	BD							
	BE							

OTHER REFERENCES (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	C A		L. K. Mergenhagen and N. F. Whiteman, "Plastomers as Sealants in Packaging Applications", TAPPI Proceedings, 1993
	C B		
	C C		
	C D		
	C E		
	C F		

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1

FORM PTO 1449 (modified)	Atty. Docket No. C-40, 121-O	Serial No. 08/289,985
LIST OF REFERENCES CITED BY APPLICANT	Applicant: Nicole F. Whiteman et al.	
	Filing Date: 08-12-94	Group: 1505

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA	92/14784	03-09-92	WO				
	BB	93/03093	18-02-93	WO				
	BC	94/07930	14-04-94	WO				
	BD	94/28064	08-12-94	WO				
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OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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FORM PTO 1449 (modified)	Atty. Docket No. C-40,121-Y	Serial No. 08/344,262
LIST OF REFERENCES CITED BY APPLICANT	Applicant: Lawrence T. Kale et al.	
	Filing Date: 11-23-94	Group: 1505

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA1	5,241,031	08-31-93	Mehta	526	348.1	
	AB1	5,218,071	06-08-93	Tsutsui et al.	526	348	
	AC1	5,206,075	04-27-93	Hodgson, Jr.	428	516	
	AD1	5,064,802	11-12-91	Stevens et al.	502	155	
	AE1	5,055,438	10-08-91	Canich	502	117	
	AF1	5,041,585	08-20-91	Deavenport et al.	556	179	
	AG1	5,041,584	08-20-91	Crapo et al.	556	179	
	AH1	5,026,798	06-25-91	Canich	526	127	
	AI1	5,015,749	05-14-91	Schmidt et al.	556	179	
	AJ1	4,859,379	08-22-89	Chiang	264	25	
	AK1	4,798,081	01-17-89	Hazlitt et al.	73	53	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA1	94/12568 A1	09-06-94	WO	C08L	23/08		
	BB1							
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	BE1							

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	C A1		Roberts et al., ANTEC Proceedings '85, "New Process for the Reduction of Draw Resonance in Melt Embossing and Extrusion Coating", pp. 104-7
	C B1		Lucchesi et al., Plastic Engineering, "Reducing Draw Resonance in LLDPE film resins', pp. 87-90, May 1985
	C C1		ANTEC Proceedings '89,"Resistance to Draw Resonance of Linear Low Density Polyethylene Through Improved Resin Design", pp. 28-30
	C D1		Randall, ACS Symposium Series No. 142, "Polymer Characterization by ESR and NMR", pp. 93-117 (1980)
	C E1		M. Shida et al., Polymer Engineering Science, Vol. 17, No. 11, "Correlation of Low Density Polyethylene Rheological Measurements with Optical and Processing Properties", pp. 769-774 (1977)
	C F1		John Dealy, Rheometers for Molten Plastics, Van Nostrand Reinhold Co., pp. 97-99, (1982)

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FORM PTO 1449 (modified)	Atty. Docket No. C-40,121-Y	Serial No. 08/344,262
LIST OF REFERENCES CITED BY APPLICANT	Applicant: Lawrence T. Kale et al.	
	Filing Date: 11-23-94	Group: 1505

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA2	4,780,264	10-25-88	Dohrer et al.	264	556	
	AB2	4,767,485	08-30-88	Michiels	156	244.11	
	AC2	4,668,463	05-26-87	Cancio et al.	264	556	
	AD2	4,626,574	12-02-86	Cancio et al.	525	240	
	AE2	4,608,221	08-26-86	Kurtz et al.	264	556	
	AF2	4,599,392	07-08-86	McKinney et al.	526	318.6	
	AG2	4,544,762	10-01-85	Kaminsky et al.	556	179	
	AH2	4,542,886	09-24-85	Yoshimura et al.	264	22	
	AI2	4,528,312	07-09-85	Edwards	524	232	
	AJ2	4,526,919	07-02-85	Edwards	524	232	
	AK2	4,486,552	12-04-84	Neimann	523	169	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA2							
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	C A2		S. Lai et al., ANTEC '93 Proceedings, "Dow Constrained Geometry Catalyst Technology (CGCT) - New Rules for Ethylene α-Olefin Interpolymers - Controlled Rhelogy Polyolefins", New Orleans, LA, pp. 1182-92, (May 1993)
	C B2		Ramamurthy, Journal of Rhelogy, "Wall Slip in Viscous Fluids and Influence of Materials of Construction", John Wiley and Sons, 30(2), pp. 337-357, (1986)
	C C2		Wild et al., Journal of Polymer Science, Poly. Phys. Ed., "Determination of Branching Distributions in Polyethylene and Ethylene Copolymers*, John Wiley & Sons, Vol. 20, pp. 441, (1982)
	C D2		Williams and Ward, Journal of Polymer Science: Polymer Letters, Vol. 6, "The Construction of a Calibration Curve for Gel Permeation Chromatography using Polystyrene Fractions", pp. 621-627, (1968)
	C E2		
	C F2		

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LIST OF REFERENCES CITED BY APPLICANT	Applicant: Lawrence T. Kale et al.	
	Filing Date: 11-23-94	Group: 1505

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA3	4,486,377	12-04-84	Luchesi et al.	264	510	
	AB3	4,438,238	03-20-84	Fukushima et al.	525	240	
	AC3	4,427,833	01-24-84	Edwards	525	240	
	AD3	4,387,185	06-07-83	Schroeder et al.	525	194	
	AE3	4,378,451	03-29-83	Edwards	525	240	
	AF3	4,365,044	12-21-82	Liu	525	240	
	AG3	4,359,553	11-16-82	Edwards	525	240	
	AH3	4,359,495	11-16-82	Schroeder et al.	428	35	
	AI3	4,348,346	09-07-82	Thompson	264	146	
	AJ3	4,339,507	07-13-82	Kurtz et al.	428	522	
	AK3	4,076,698	02-28-78	Anderson et al.	526	348.6	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA3							
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OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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LIST OF REFERENCES CITED BY APPLICANT	Applicant: Lawrence T. Kale et al.	
	Filing Date: 11-23-94	Group: 1505

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA4	3,914,342	10-21-75	Mitchell	260	897 A	
	AB4	3,645,992	02-29-72	Elston	260	80.78	
	AC4	3,247,290	04-19-66	Werkman et al.	260	897	
	AD4	5,395,471	03-07-95	Obijeski et al.	156	244.11	
	AE4	5,380,810	01-10-95	Lai et al.	526	352	
	AF4	5,278,272	01-11-94	Lai et al.	526	348.5	
	AG4	5,272,236	12-21-93	Lai et al.	526	348.5	
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	AI4						
	AJ4						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA4							
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Sheet 1 of 1

FORM PTO 1449 (modified) LIST OF REFERENCES CITED BY APPLICANT	Atty. Docket No. C-40,121-Y	Serial No. 08/344,262
	Applicant: Lawrence T. Kale et al.	
	Filing Date: 11-23-94	Group: 1505

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA	5,444,145	08-22-95	Brant et al.	526	348.3	
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
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Sheet 1 of 2

FORM PTO 1449 (modified) LIST OF REFERENCES CITED BY APPLICANT	Atty. Docket No. C-40, 121-Y	Serial No. 08/344,262
	Applicant: Lawrence T. Kale et al.	
	Filing Date: 11-23-94	Group:

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
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	AJ						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA	90/03414	05-04-90	WO				
	BB	92/14784	03-09-92	WO				
	BC	93/03093	18-02-93	WO				
	BD	94/06857	31-03-94	WO				
	BE	94/07930	14-04-94	WO				

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FORM PTO 1449 (modified)	Atty. Docket No. C-40, 121-Y	Serial No. 08/344,262
LIST OF REFERENCES CITED BY APPLICANT	Applicant: Lawrence T. Kale et al.	
	Filing Date: 11-23-94	Group:

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	BA						
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	BI						
	BJ						
	BK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	CA	94/28064	08-12-94	WO				
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	CD							
	CE							

OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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Sheet 1 of 2

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40,666	SERIAL NO.: 07/945,034
APPLICANT: H. Craig Silvis et al.	
FILING DATE: 09/15/92	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3 6 4 5 9 9 2	02-29-72	C. T. Elston			
		4 8 4 3 1 2 9	06-27-89	Spenadel et al.			
		5 0 1 1 8 9 1	04-30-91	Spenadel et al.			
		5 1 1 8 7 5 3	06-02-92	Hikasa et al.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		6 8 4 4 7 1	04-14-64	Canada	400	91	X	
		9 4 2 3 6 3		Great Britain			X	
		1 0 6 5 5 6 8		Great Britain			X	

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		MODERN PLASTICS ENCYCLOPEDIA, Vol. 65, No. 11, pps. 110 & 112, 1989, "Introduction to TPEs" by Charles D. Shedd.
		MODERN PLASTICS ENCYCLOPEDIA, Vol. 65, No. 11, page 112, 1989, "Elastomeric Alloy TPEs" by C. P. Rader.
		MODERN PLASTICS ENCYCLOPEDIA, Vol. 65, No. 11, pps. 112-113, 1989, "Engineering TPEs" by Thomas W. Sheridan.
		"FLEXOMER™ POLYOLEFINS - A BRIDGE BETWEEN POLYETHYLENE AND RUBBERS" by M. R. Rifi, H. K. Ficker and M. A. Corwin, pps. 1-7, 1990. Union Carbide Chemicals and Plastics Inc., Bound Brook, New Jersey.
		Proceedings of the First International Business Forum of Speciality Polyolefins SPO '91, September 1991, pps. 41-55, "The Marketing Challenge by Single Site Catalysts in Polyolefins" by Michael Jefferies.
		Polyolefins VII International Conference, pps. 45-66, February 1991, "Structure/Property Relationships In Exxpol ™ Polymers" by C. S. Speed, B. C. Trudell, A. K. Mehta and F. C. Stehling.

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Rev. 9/88

Sheet 2 of 2

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: 40,666	SERIAL NO.: 07/945,034
APPLICANT: H. Craig Silvis et al.	
FILING DATE: 09/15/92	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

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		Tappi Journal, February 1992, pps. 99-103, "A New Family of Linear Ethylene Polymers Provides Enhanced Sealing Performance" by Dirk G. F. Van der Sanden and Richard W. Halle.
		Proceedings of the 1991 IEEE Engineering Society, pps. 184-190, September 1990, "New Speciality Linear Polymers (SLP) For Power Cables" by Monica Hendewerk and Lawrence Spenadel.

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Rev. 9/88

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: 39,135 | SERIAL NO.: 08/010,958

APPLICANT: Brian W.S. Kolthammer et al.

FILING DATE: 1-29-93 | GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3 0 1 4 7 0 2	12-26-61	Oldershaw et al.			
		3 2 3 9 1 9 7	3-8-66	J. E. Tollar			
		3 6 4 5 9 9 2	2-29-72	C. T. Elsten			
		3 9 1 4 3 4 2	10-21-75	J. H. Mitchell			
		4 2 0 5 0 2 1	5-27-80	Morita et al.			
		4 3 1 4 9 1 2	2-9-82	Lowery, Jr. et al.			
		4 3 2 0 0 8 8	3-16-82	A. Nicco			
		4 3 3 0 6 4 6	5-18-82	Sakurai et al.			
		4 4 0 5 7 7 4	9-20-83	Miwa et al.			
		4 5 1 0 3 0 3	4-9-85	Oda et al.			
		4 5 3 0 9 1 4	7-23-85	Ewen et al.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		1 2 6 0 4 9 0		Canada			X	
		2 0 0 8 3 1 5		Canada			X	
		4 2 0 4 3 6 A1		Europe			X	
		0 1 2 9 3 6 8		Europe			X	
		5 0 3 7 9 1 A1		Europe			X	

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		SPO '92 "Future Trends in Polyolefins Technology" by Douglas M. Selman, pp. 11-16 (9/23/92).
		"Selected Applications For Constrained Geometry Catalyst Technology (CGCT) Polymers"
		by G. D. Schwank, presented and distributed at SPO '92 sponsered by Schotland Business
		Research, Inc., (9/23/92).
		SPO'92 Proceedings, "The Material Properties of Polymers Made From Constrained Geometry
		Catalysts" by Kurt W. Swogger, pps. 155-65 (1992).

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Rev. 9/88

FORM 1449

ATTY. DOCKET NO.: 39,135	SERIAL NO.: 08/010,958
APPLICANT: Brian W.S. Kolthammer et al.	
FILING DATE: 1-29-93	GROUP: 1505

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 4 2 1 1 6 2	12-20-83	Tollar			
		4 5 4 4 7 6 2	10-1-85	Kaminsky et al.			
		4 5 4 7 4 7 5	10-15-85	Glass et al.			
		4 5 6 4 0 6 3	1-14-86	Tollar			
		4 6 1 2 3 0 0	9-16-86	Coleman, III			
		4 6 5 9 6 8 5	4-21-87	Coleman, III et al.			
		4 6 6 8 7 5 2	5-26-87	Tominari et al.			
		4 7 0 1 4 3 2	10-20-87	Welborn, Jr.			
		4 8 0 8 2 6 2	2-28-89	Aneja et al.			
		4 9 3 5 4 7 4	6-19-90	Ewen et al.			
		4 9 3 7 2 9 9	6-26-90	Ewen et al.			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		9 0 0 3 4 1 4	4-5-90	WO			X	
		9 1 0 4 2 5 7	4-4-91	WO			X	
		9 1 0 9 8 8 2	7-11-91	WO			X	
		9 2 0 0 3 3 3	1-9-92	WO			X	
		0 1 2 9 3 6 8		Europe				

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			"A New Family of Linear Ethylene Polymers Provides Enhanced Sealing
			Performance" by G.F. Van der Sanden and Richard W. Halle, (2/92), Tappi Journal,
			pps. 99-103.
			Society of Plastics Engineers Polyolefins VII International Conference Proceedings,
			"Structure/Property Relationships in EXXPOL TM Polymers" by C. S. Speed, B. C. Trudell,
			A. K. Mehta and F. C. Stehling, pps. 45-66, (February 24-27 1991).

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Rev. 2 88

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: 39,135	SERIAL NO.: 08/010,958
APPLICANT: Brian W.S. Kolthammer et al.	
FILING DATE: 1-29-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,967,087	10-2-90	Crapo et al.			
		4,987,212	1-22-91	Morterol et al.			
		5,015,749	5-14-91	Schmidt et al.			
		5,026,798	6-25-91	Canich			
		5,041,584	8-20-91	Sangokoya			
		5,041,585	8-20-91	Crapo et al.			
		5,041,586	8-20-91	Deavenport et al.			
		5,055,438	10-8-91	Canich			
		5,057,475	10-15-91	Canich et al.			
		5,064,802	11-19-91	Ewen			
		5,077,255	12-31-91	Welborn, Jr.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		536104A1		Europe				

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		"The Marketing Challenge Created By Single Site Catalysts in Polyolefins" by Michael P. Jeffries, 1991 Speciality Polyolefins Conference (SPO '91), pps. 43-55 (9/24/91).

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Sheet 4 of 4

FORM 1449

INFORMATION DISCLOSURE CITATION
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ATTY DOCKET NO.: 39,135	SERIAL NO.: 08/010,958
APPLICANT: Brian W.S. Kolthammer et al.	
FILING DATE: 1-29-93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,072,925	1-7-92	Canich			
		5,084,134	1-28-92	Mattiussi et al.			
		5,084,534	1-28-92	Welborn, Jr. et al.			
		5,084,540	1-28-92	Albizzati et al.			
		5,096,867	3-17-92	Canich			
		5,086,024	2-4-92	Crapo et al.			

FOREIGN PATENT DOCUMENTS

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Rev. 2.98

Sheet 1 of 1

FORM 1449

INFORMATION DISCLOSURE CITATION
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ATTY. DOCKET NO.: C-39,135	SERIAL NO.: 08/010,958
APPLICANT: Brian W. S. Kolthammer et al.	
FILING DATE: 01-29-93	GROUP: 1512

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		9 3 0 8 2 2 1	04-29-93	WO				
		0 4 1 6 8 1 5	03-13-91	EP				
		8 7 0 3 6 1 0	06-18-87	WO				
		0 4 3 6 3 9 9	07-10-91	EP				

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Rev. 9-89

FORM PTO 1449 (modified)	Atty. Docket No. C-41,825	Serial No. 08/239,496
LIST OF REFERENCES CITED BY APPLICANT	Applicant: Jeffrey J. Wooster et al.	
	Filing Date: 05-09-94	Group: 1512

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	BA	5,041,501	08-20-91	Shirodkar			
	BB	5,028,663	07-02-91	Chung			
	BC	5,026,610	06-25-91	Harrison			
	BD	4,957,972	09-18-90	Shirodkar			
	BE	4,954,391	09-04-90	Kotani et al.	428	220	
	BF	4,828,906	05-09-89	Nishimura et al.			
	BG	4,824,912	04-25-89	Su			
	BH	4,801,652	01-31-89	Mizutani et al.	525	240	
	BI	4,786,688	11-22-88	Thiersault et al.	525	240	
	BJ	4,770,912	09-13-88	Furrer et al.			
	BK	4,632,801	12-30-86	Dowd	264	566	

FOREIGN PATENT DOCUMENTS

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	CA							
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LIST OF REFERENCES CITED BY APPLICANT	Applicant: Jeffrey J. Wooster et al.	
	Filing Date: 05-09-94	Group: 1512

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA	5,288,531	02-22-94	Falla et al.	525	240	
	AB	5,278,272	01-11-94	Lai et al.			
	AC	5,272,236	12-21-93	Lai et al.	526	348.5	
	AD	5,258,161	11-02-93	Ealer			
	AE	5,242,922	09-07-93	Shirodkar			
	AF	5,206,075	04-27-93	Hodgson, Jr.	428	216	
	AG	5,189,106	02-23-93	Morimoto et al.			
	AH	5,153,039	10-06-92	Porter et al.			
	AI	5,102,955	04-07-92	Calabro et al.			
	AJ	5,091,228	02-25-92	Fujii et al.			
	AK	5,047,468	09-10-91	Lee et al.			

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		Document Number	Date	Country	Class	Sub-class	Translation	
	BA	94/06857	16-09-92	WO				
	BB							
	BC							
	BD							
	BE							

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	C A		"LLDPE Blends Perk Up Performance of PE Films" Plastics World, pp. 40-43, (December 1982)
	C B		Modern Plastics -1963ED-1962, p. 227
	C C		Japanese Abstract JP 58-222131 (23-12-83)
	C D		Japanese Abstract JP 61-009446 (17-01-86)
	C E		
	C F		

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	Filing Date: 05-09-94	Group: 1512

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	BB	5,028,663	07-02-91	Chung			
	BC	5,026,610	06-25-91	Harrison			
	BD	4,957,972	09-18-90	Shirodkar			
	BE	4,954,391	09-04-90	Kotani et al.	428	220	
	BF	4,828,906	05-09-89	Nishimura et al.			
	BG	4,824,912	04-25-89	Su			
	BH	4,801,652	01-31-89	Mizutani et al.	525	240	
	BI	4,786,688	11-22-88	Thiersault et al.	525	240	
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LIST OF REFERENCES CITED BY APPLICANT	Applicant: Jeffrey J. Wooster et al.	
	Filing Date: 05-09-94	Group: 1512

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	CA	4,547,551	10-15-85	Bailey et al.			
	CB	4,465,812	08-14-84	Moriguchi et al.			
	CC	4,461,873	07-24-84	Bailey et al.			
	CD	4,438,238	03-20-84	Fukushima et al.	525	240	
	CE	4,390,573	06-28-83	Bullard et al.			
	CF	4,346,834	08-31-82	Mazumdar			
	CG	4,330,639	05-18-82	Matsuura et al.	525	240	
	CH	4,243,619	01-06-81	Fraser et al.			
	CI	4,230,831	10-28-80	Sakurai et al.			
	CJ	4,205,021	05-27-80	Morita et al.			
	CK	3,998,914	12-21-76	Lillis et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	DA							
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FORM PTO 1449 (modified)	Atty. Docket No. C-41,825	Serial No. 08/239,496
LIST OF REFERENCES CITED BY APPLICANT	Applicant: Jeffrey J. Wooster et al.	
	Filing Date: 05-09-94	Group: 1512

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	DA	3,974,241	08-10-76	Lundberg			
	DB	3,340,328	09-05-67	Brindell et al.			
	DC	3,231,636	01-25-66	Snyder et al.			
	DD	2,983,704	05-09-61	Roedel			
	DE						
	DF						
	DG						
	DH						
	DI						
	DJ						
	DK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	EA							
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FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40,121-C	SERIAL NO.: 08/024,563
APPLICANT: Nicole F. Whiteman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,456,044	07-15-69	Pahlke			
		4,048,428	09-13-77	Baird, Jr. et al.			
		4,188,373	02-12-80	Mueller et al.			
		4,194,039	03-18-80	Mueller			
		4,229,241	10-21-80	Mueller			
		4,352,844	10-05-82	Bornstein			
		4,352,849	10-05-82	Mueller			
		4,391,862	07-05-83	Bornstein et al.			
		4,640,835	02-03-87	Ferguson et al.			
		4,643,894	02-17-87	Mueller			
		4,714,613	12-22-87	Lustig et al.			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		0,404,368 A2	12-27-90	EPO				
		0,447,988 A1	09-25-91	EPO				
		236,099 A2	09-09-87	EPO				

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FORM 1449

INFORMATION DISCLOSURE CITATION
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C-40,121-C	08/024,563
APPLICANT: Nicole F. Whiteman et al.	
FILING DATE: 03/01/93	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 7 5 5 4 0 3	07-05-88	Ferguson			
		4 8 0 1 4 8 6	01-31-89	Quacquarella et al.			
		4 8 0 3 1 2 2	02-07-89	Schirmer			
		4 8 2 0 5 5 7	04-11-89	Warren			
		4 8 6 3 7 6 9	09-05-89	Lustig et al.			
		4 8 6 5 9 0 2	09-12-89	Golike et al.			
		4 9 2 7 7 0 8	05-22-90	Herran et al.			
		4 9 3 7 1 1 2	01-26-90	Schirmer			
		4 9 6 3 4 1 9	10-16-90	Lustig et al.			
		4 9 6 3 4 2 7	10-16-90	Botto et al.			
		4 9 7 6 8 9 8	12-11-90	Lustig et al.			

FOREIGN PATENT DOCUMENTS

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Sheet 3 of 3

FORM 1449

INFORMATION DISCLOSURE CITATION
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ATTY. DOCKET NO.: C-40,121-C | SERIAL NO.: 08/024,563

APPLICANT: Nicole F. Whiteman et al.

FILING DATE: 03/01/93 | GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 9 7 7 0 2 2	12-11-90	Mueller			
		5 0 3 2 4 6 3	07-16-91	Smith			
		5 0 4 1 3 1 6	08-20-91	Parnell et al.			
		5 0 5 5 3 2 8	10-08-91	Evert et al.			
		5 0 5 9 4 8 1	10-22-91	Lustig et al.			
		5 0 7 5 1 4 3	12-24-91	Bekele			

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Sheet 1 of 6

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40,121	SERIAL NO.: ~~07/776,130~~ 8/544497
APPLICANT: Shih Yaw Lai et al	
FILING DATE: 10-15-91	GROUP:

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SW		3 4 9 1 0 7 3	1-20-70	Marinak			
		4 2 0 5 0 2 1	5-27-80	Morita et al			
		5 0 5 5 4 3 8	10-08-91	Canich			
		4 5 3 0 9 1 4	7-23-85	Ewen et al			
		4 9 3 5 4 7 4	6-19-90	Ewen et al			
SW		4 9 3 7 2 9 9	6-26-90	Ewen et al			
SW		5 0 2 6 7 9 8	6-25-91	Canich			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
SW	0	4 1 6 8 1 5 A2	03/91	European				
SW	9	0 0 3 4 1 4	04/90	WO				

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SW		Journal of Polymer Science, Part A, Vol. 1 (pp. 2869-2880 (1963)), "Long-Chain Branching Frequency in Polyethylene" by J. E. Guillet
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		Journal of the American Chemical Society, 98:7, pp. 1729-1742 (March 31, 1976) "Structure and Chemistry of Bis(cyclopentadienyl)-MLn Complexes" by Joseph W. Lauher and Roald Hoffman
		Polymer Engineering and Science, Vol. 16, No. 12, pp. 811-816 (December 1976), "Influence of Long-Chain Branching on the Viscoelastic Properties of Low-Density Polyethylenes" by L. Wild, R. Ranganath, and D. Knobeloch
SW		Angew. Chem. Int. Ed. Engl. pp. 630-632 (1976) Vol. 15, No. 10, "Halogen-Free Soluble Ziegler Catalysts for the Polymerization of Ethylene. Control of Molecular Weight by Choice of Temperature" by Arne Andresen et al
		Advances in Organometallic Chemistry, pp. 99-148, Vol. 18, (1980) "Ziegler-Natta Catalysis" by Hansjorg Sinn and Walter Kaminsky.

EXAMINER: David Wu DATE CONSIDERED: 12-13-96

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FORM 1449

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C-40,121	07/776,130
APPLICANT: Shih Yaw Lai et al	
FILING DATE: 10-15-91	GROUP:

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DW		Angew. Chem. Int. Ed. Engl., pp. 390-393, Vol 19 No. 5 (1980) "'Living Polymers' on Polymerization with Extremely Productive Ziegler Catalysts" by Hansjorg Sinn, Walter Kaminsky, Hans-Jurgen Vollmer, and Rudiger Woldt
		Polymer Bullentin, 9, pp. 464-469 (1983) "Halogen Free Soluble Ziegler Catalysts with Methylalumoxan as Catalyst" by Jens Herwig and Walter Kaminsky
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DW		Makromol. Chem., Rapid Commun., (5) pp. 225-228 (1984) "Influence of hydrogen on the polymerization of ethylene with the homogeneous Ziegler system bis(cyclopentadienyl)zirconiumdichoride/aluminoxane" by Walter Kaminsky et al.
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EXAMINER: David Wu DATE CONSIDERED: 12-13-96

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FORM 1449

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C-40,121	07/776,130
APPLICANT: Shih Yaw Lai et al	
FILING DATE: 10-15-91	GROUP:

U.S. PATENT DOCUMENTS

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DW		Journal of Applied Polymer Science, pp. 3751-3765 (1985) Vol. 30, "On the Effects of Very Low Levels of Long Chain Branching on Rheological Behavior in Polyethylene" by B. H. Bersted.
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		The Society of Rheology, pp. 337-357 (1986) Vol. 30, "Wall Slip in Viscous Fluids and Influence of Materials of Construction" by A. V. Ramamurthy
		Makromol. Chem., Macromol. Symp., 4, pp. 103-118 (1986) "Elastomers By Atactic Linkage of α-Olefins Using Soluble Ziegler Catalysts" by W. Kaminsky and M. Schlobohm
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ATTY. DOCKET NO.: C-40,121	SERIAL NO.: 07/776,130
APPLICANT: Shih Yaw Lai et al	
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U.S. PATENT DOCUMENTS

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dw		Journal of Macromolecular Science: Reviews in Macromolecular Chemistry and Physics, C29(2&3), pp. 201-303 (1989) "A Review of High Resolution Liquid ^{13}C arbon Nuclear Magnetic Resonance Characterizations of Ethylene-Based Polymers"
		Journal of Non-Newtonian Fluid Mechanics, 36, pp. 255-263 (1990) "Additional Observations on The Surface Melt Fracture Behavior Of Linear Low-Density Polyethylene" by R. Moynihan, D. Baird, and R. Ramanathan
		Makromol. Chem. Rapid Commun., pp. 89-94 (1990) "Terpolymers of Ethylene, Propene and 1,5-Hexadiene Synthesized with Zirconocene/Methylaluminoxane" by W. Kaminsky and H. Drogemuller
		Journal of Rheology, 35 (4), 3 (May, 1991) pp. 497-52, "Wall Slip of Molten High Density Polyethylene. I. Sliding Plate Rheometer Studies" by S. G. Hatzikiriakos and J. M. Dealy
dw		Proceedings of the 1991 IEEE Power Engineering Society, pp. 184-190 (September 22-27, 1991), "New Specialty Linear Polymers (SLP) For Power Cables" by Monica Hendewerk and Lawrence Spenadel
		Society of Plastic Engineers Proceedings, Polyolefins VII International Conference, February 24-27, 1991, "Structure/Property Relationships in Exxpol™ Polymers" (pp. 45-66) by C. Speed, B. Trudell, A. Mehta, and F. Stehling

EXAMINER: David Wu	DATE CONSIDERED: 12-13-96

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Sheet 5 of 6

FORM 1449

INFORMATION DISCLOSURE CITATION
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ATTY. DOCKET NO.: C-40,121	SERIAL NO.: 07/776,130
APPLICANT: Shih Yaw Lai et al	
FILING DATE: 10-15-91	GROUP:

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

DW		1991 Specialty Polyolefins Conference Proceedings, "The Marketing Challenge Created By Single Site Catalysts in Polyolefins," September 24, 1991, (pp. 41-45) by Michael P. Jeffries
		High Polymers, Vol. XX, "Crystalline Olefin Polymers" Part I, pp. 495-501
		1991 Polymers, Laminations & Coatings Conference, TAPPI Proceedings, presented in February, 1991, pp. 289-296, "A New Family of Linear Ethylene Polymers with Enhanced Sealing Performance" by D. Van der Sanden and R. W. Halle
		Society of Plastic Engineers 1991 Specialty Polyolefins Conference Proceedings, pp. 41-55, "The Marketing Challenge Created by Single Site Catalysts in Polyolefins" by M. Jefferies (September 24, 19910
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		Advances In Polyolefins, by R .B. Seymour and T. Cheng, (1987) "New Catalysis and Process For Ethylene Polymerization", pp. 337-354, by F. Karol, B. Wagner, I. Levine, G. Goeke, and A. Noshay

EXAMINER: David Wu	DATE CONSIDERED: 12-13-96

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Sheet 6 of 6

FORM 1449

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C-40,121	07/776,130
APPLICANT: Shih Yaw Lai et al	
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

dw			Advances In Polyolefins, by R.B. Seymour and T. Cheng, (1987) "Polymerization of Olefins With A Homogeneous Zirconium/Alumoxane Catalyst", pp. 361-371 by W. Kaminsky and H. Hahnsen

EXAMINER: David Wu DATE CONSIDERED: 12-13-96

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Sheet 1 of 1

FORM 1449

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DW		3 6 4 5 9 9 2	02-29-72	Elston	—	—	

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