EXHIBIT B

(Part 4 of 4)

PTO-103X
(Rev. 8-95)

FILING RECEIPT MAILED TO MDAA

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.	SERIAL NO.:
C-40121-C	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:

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The references of the following 45 sheets are not considered since there are no copies attached to Paper No. 7. DW 12/13/96

FORM 1449

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FILING DATE: 03/01/93	GROUP: 1505

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		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

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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)

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		5 2 0 6 0 7 5	04-27-93	Hodgson, Jr.			
		3 6 4 5 9 9 2	02-29-72	Elston			

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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))

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Rev. 9/88

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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

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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

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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)

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FORM 1449

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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"

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Sheet 2 of 2

FORM 1449

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		9 2 1 4 7 8 4	09-03-92	WO				
		9 3 0 7 2 1 0	04-15-93	W0				
		9 3 0 8 2 2 1	04-29-93	W0				

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FORM 1449

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ATTY. DOCKET NO.:	SERIAL NO.:
40,121-F	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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		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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C-40,121-F	08/055/063
APPLICANT: Kim L. Walton et al.	
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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		9 2 1 4 7 8 4	09-03-92	WO				
		9 3 0 7 2 1 0	04-15-93	W0				
		9 3 0 8 2 2 1	04-29-93	W0				

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Rev. 9 88

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.)*

	CA		
	CB		
	CC		
	CD		
	CE		
	CF		

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FORM PTO 1449 (modified)	Atty. Docket No. C-40,121-F	Serial No. 08/055,063
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	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

FOREIGN PATENT DOCUMENTS

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	CA	94/28064	08-12-94	WO				
	CB							
	CC							
	CD							
	CE							

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	DA		
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	DC		
	DD		
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	DF		

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		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.			

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	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				

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)
	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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		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				

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

Polymer Engineering and Science, Vol.17, No.11, 1977, "Correlation of Low Density Polyethylene Rheological Measurements with Optical and Processing Properties", Shida et al.

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

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.: 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

*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. 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

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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
		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

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

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

			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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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

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

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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Rev. 9/88

RM 1449

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
		5,241,031	08-31-93	Mehta			
		5,218,071	06-08-93	Tsutsui et al.			
		5,206,075	04-27-93	Hodgson, Jr.			
		5,064,802	11-12-91	Stevens et al.			
		5,055,438	10-08-91	Canich			
		5,041,585	08-20-91	Deavenport et al.			
		5,041,584	08-20-91	Crapo et al.			
		5,026,798	06-25-91	Canich			
		5,015,749	05-14-91	Schmidt et al.			
		4,859,379	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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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

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

	✓	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 Rhelogy, "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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Rev 9/88

FORM 1449

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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
		4,526,919	07-02-85	Edwards			
		4,488,652	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.			
		4,378,457	03-29-83	Edwards			
		4,360,644	12-21-82	Liu			
		4,359,553	11-16-82	Edwards			
		4,359,495	11-16-82	Schroeder et al.			

FOREIGN PATENT DOCUMENTS

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

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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			
		4,339,507	07-13-82	Kurtz et al.			
		4,076,698	02-28-78	Anderson et al.			
		3,914,342	10-21-75	Mitchell			
		3,645,992	02-29-72	Elston			
		3,247,290	04-19-66	Werkman et al.			

FOREIGN PATENT DOCUMENTS

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Sheet 1 of 1

FORM PTO 1449 (modified) LIST OF REFERENCES CITED BY APPLICANT	Atty. Docket No. C-40,121-O	Serial No. 08/289,985
	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

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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						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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				
	BE							

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

	CA		
	CB		
	CC		
	CD		
	CE		
	CF		

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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
	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							
	BC1							
	BD1							
	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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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							
	BB2							
	BC2							
	BD2							
	BE2							

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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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	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							
	BB3							
	BC3							
	BD3							
	BE3							

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

	C A3		
	C B3		
	C C3		
	C D3		
	C E3		
	C F3		

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	Applicant: Lawrence T. Kale et al.	
	Filing Date: 11-23-94	Group: 1505

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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	
	AH4						
	AI4						
	AJ4						
	AK4						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Translation	
	BA4							
	BB4							
	BC4							
	BD4							
	BE4							

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

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EXAMINER	DATE CONSIDERED

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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	
	AB						
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	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

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

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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
	AA						
	AB						
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	AG						
	AH						
	AI						
	AJ						
	AK						

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				

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

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Sheet 2 of 2

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

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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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FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.:	SERIAL NO.:
40,666	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

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

		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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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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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 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.			

FOREIGN PATENT DOCUMENTS

*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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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 9 6 0 8 7 8	10-2-90	Crapo et al.			
		4 9 8 7 2 1 2	1-22-91	Morterol et al.			
		5 0 1 5 7 4 9	5-14-91	Schmidt et al.			
		5 0 2 6 7 9 8	6-25-91	Canich			
		5 0 4 1 5 8 3	8-20-91	Sangokoya			
		5 0 4 1 5 8 4	8-20-91	Crapo et al.			
		5 0 4 1 5 8 5	8-20-91	Deavenport et al.			
		5 0 5 5 4 3 8	10-8-91	Canich			
		5 0 5 7 4 7 5	10-15-91	Canich et al.			
		5 0 6 6 7 3 8	11-19-91	Ewen			
		5 0 7 7 2 5 5	12-31-91	Welborn, Jr.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		5 3 6 1 0 4 A1		Europe				

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

			"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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Rev. 9 95

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
		5,079,205	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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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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Rev. 3/98

Sheet 1 of 1

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

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				

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

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Rev. 9/88

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

		Document Number	Date	Country	Class	Sub-class	Translation	
	CA							
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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-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
	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.			

FOREIGN PATENT DOCUMENTS

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

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

	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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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	

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	CA							
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	CE							

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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
	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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	DD							
	DE							

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

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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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	ED							
	EE							

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

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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 4 5 6 0 4 4	07-15-69	Pahlke			
		4 0 4 8 4 2 8	09-13-77	Baird, Jr. et al.			
		4 1 8 8 4 4 3	02-12-80	Mueller et al.			
		4 1 9 4 0 3 9	03-18-80	Mueller			
		4 2 2 9 2 4 1	10-21-80	Mueller			
		4 3 5 2 8 4 4	10-05-82	Bornstein			
		4 3 5 2 8 4 9	10-05-82	Mueller			
		4 3 9 1 8 6 2	07-05-83	Bornstein et al.			
		4 6 4 0 8 5 6	02-03-87	Ferguson et al.			
		4 6 4 3 9 2 6	02-17-87	Mueller			
		4 7 1 4 6 3 8	12-22-87	Lustig et al.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		4 0 4 3 6 8 A2	12-27-90	EPO				
		4 4 7 9 8 8 A1	09-25-91	EPO				
		2 3 6 0 9 9 A2	09-09-87	EPO				

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

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.: 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
		4,755,403	07-05-88	Ferguson			
		4,801,486	01-31-89	Quacquarella et al.			
		4,803,122	02-07-89	Schirmer			
		4,820,557	04-11-89	Warren			
		4,863,769	09-05-89	Lustig et al.			
		4,865,902	09-12-89	Golike et al.			
		4,927,707	05-22-90	Herran et al.			
		4,931,271	01-26-90	Schirmer			
		4,963,419	10-16-90	Lustig et al.			
		4,963,420	10-16-90	Botto et al.			
		4,976,898	12-11-90	Lustig et al.			

FOREIGN PATENT DOCUMENTS

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

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Rev. 9/88

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 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			

FOREIGN PATENT DOCUMENTS

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

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EXAMINER:	DATE CONSIDERED:

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/544,497	10/18/95	CHUM P	C-40.121-AU

15M2/1219

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

EXAMINER	
WU,D	
ART UNIT	**PAPER NUMBER**
1505	20

DATE MAILED: 12/19/96

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

PTO-90C (REV. 2/95)

1-File Copy

☆U.S.GOVERNMENT PRINTING OFFICE 1995-319-826

Notice of Allowability

Application No.	Applicant(s)
08/544,597	Chum et al.
Examiner	**Group Art Unit**
David Wu	1505

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to *October 9, 1996*.

☒ The allowed claim(s) is/are *1, 3-8, 17, 19-23, and 31-35*.

☐ The drawings filed on _____ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 8.

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal lettter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 7

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance:

Claims 1, 3-8, 17, 19-23, and 31-35 are allowed because no prior art which anticipates or suggests fairly the instant claims has been located as of the date of this action.

Lai reference (U.S. Patent No. 5,408,004) which was thought to be the closest prior art discloses polyolefin blends comprising at least 10 percent, preferably at least 30 percent of at least one linear or substantially linear homogeneously branched polyethylene, such as one of a Tafmer TM, Exact TM or Insite TM (defined in column 3, lines 43-56), and the remainder of the blend comprises one or more heterogeneously branched polyethylene (defined in column 3, lines 3-14). In working examples 1-2, the polymer blend sample E-1 is prepared from a 50/50 of CGC resin (Sample C-1) and HDPE resin (Sample C-2), sample E-2 is also prepared from a 50/50 of CGC resin (Sample C-6) and HDPE resin (Sample C-7). Although Lai fails to disclose the property such as the slope of strain hardening coefficient of the substantially linear homogeneously branched polyethylene, in view of the same type of the polymer and made by the same technology taught by Lai reference and the instant disclosure, the Examiner has a reasonable basis to believe that Lai's substantially linear homogeneously branched polyethylene possesses substantially the same value of the slope of strain hardening coefficient. However, in view of Paper No. 9, the present application is entitled to the benefit of the filing date of its parent application 08/054,379, i.e., April 28, 1993, the Lai patent (U.S. 5,408,004, filed on August 17, 1993) is no longer a proper reference against the present invention.

The earlier reference made of record in the parent application (S.N. 08/378,998), WO 90/03,414, has been overcome based on the Markovich Declaration filed on February 6, 1996.

The 112, second paragraph rejection is now being removed in view of the amendment submitted on October 9, 1996.

Therefore, claims 1, 3-8, 17, 19-23, and 31-35 are allowed over WO 90/03,414.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Wu whose telephone number is (703) 308-2450.

David Wu

DAVID W. WU
PRIMARY EXAMINER
GROUP 1500

DWW
December 13, 1996

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40,121	SERIAL NO.: ~~07/776,130~~ 08/544497
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				

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

SW		Journal of Polymer Science, Part A, Vol. 1 (pp. 2869-2880 (1963)), "Long-Chain Branching Frequency in Polyethylene" by J. E. Guillet
		Polymer Preprints, Amer. Chem. Society, Vol. 12, No. 1, pp. 277-281 (March 1971), "Evidence of Long-Chain Branching in High Density Polyethylene" by E. E. Drott and R. A. Mendelson
		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

*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.

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

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

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
			Makromol. Chem., Rapid Commun., 4, pp. 417-421 (1983) "Bis(cyclopentadienyl)zirkon-Verbingungen und Aluminoxan als Ziegler-Katalysatoren fur die Polymerisation und Copolymerisation von Olefinen" by Walter Kaminsky et al
			ANTEC Proceedings, pp. 306-309 (1983), "Analysis of Long Chain Branching in High Density Polyethylene" by J.K Hughes.
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)zirconiumdicholoride/aluminoxane" by Walter Kaminsky et al.
			Journal of Polymer Science: Polymer Chemistry Edition, pp. 2117-2133 (1985) Vol. 23, "Homogeneous Ziegler-Natta Catalysis. II. Ethylene Polymerization by IVB Transition Metal Complexes/Methyl Aluminoxane Catalyst Systems" by E. Giannetti and R. Mazzocchi

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APPLICANT: Shih Yaw Lai et al	
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SW		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.
		Journal of Polymer Science: Polymer Chemistry Edition, pp. 2151-2164 (1985) Vol. 23, "Ethylene Propylene Diene Terpolymers Produced with a Homogeneous and Highly Active Zirconium Catalyst" by Walter Kaminsky et al
		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
SW		Journal of Rheology, 31 (8) pp. 815-834 (1987) "Wall Slip and Extrudate Distortion in Linear Low-Density Polyethylene" by D. Kalika and M. Denn
		Makromol. Chem., 190, pp. 515-526 (1989) "Copolymerization of Cycloalkenes with Ethylene In Presence of Chiral Zirconocene Catalysts" by W. Kaminsky and R. Spiehl

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

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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-BasedPolymers"
		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: 12-13-91

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APPLICANT: Shih Yaw Lai et al	
FILING DATE: 10-15-91	GROUP:

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*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
DW			Advances In Polyolefins, by R. B. Seymour and T. Cheng, (1987), pp. 373-380 "Crystallinity and Morphology of Ethylene/ α-Olefin Copolymers" by P. Schouterden, G. Groeninckx, and H. Reynaers
			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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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			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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Rev. 9-88

Sheet 1 of 1

FORM 1449

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY. DOCKET NO.: C-40,121	SERIAL NO.: ~~07/776,139~~ 8/154497
APPLICANT: S. Y. Lai et al.	
FILING DATE: 10/15/91	GROUP: 1505

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DW		3 6 4 5 9 9 2	02-29-72	Elston	—	—	

FOREIGN PATENT DOCUMENTS

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NOTICE OF ALLOWANCE AND ISSUE FEE DUE

15N2/0114

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

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/544.497	10/18/95	018	WU. T 1505	01/14/97
First Named Applicant	CHUM.		PAK-WING S.	

TITLE OF INVENTION FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
1 C-40.121-AU	525-240.000	146	UTILITY	NO	$1290.00	04/14/97

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay FEE DUE shown above, or

B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "6b" of Part B should be completed.

III. All communications regarding this application must give application number and batch number. Please direct all communication prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (REV. 5-96) (0651-0033)

3. PATENT AND TRADEMARK OFFICE COPY

*U.S. GPO: 1996-411-636/40072

66461 U.S. PTO
03/17/97

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
APR 4 1997
GROUP 1500

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

Serial No.: 08/544,497 Group Art Unit: 1505

Filed: October 19, 1995 Examiner: D. WU

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 WITH SUFFICIENT POSTAGE IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231, On

March 12, 1997

DATE OF DEPOSIT

MaryAnn Navarrette

PRINT OR TYPE NAME OF PERSON SIGNING CERTIFICATE

MaryAnn Navarrette

SIGNATURE OF PERSON SIGNING CERTIFICATE

3-12-97

DATE OF SIGNATURE

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

Attn: Official Draftsman

Sir:

TRANSMITTAL OF FORMAL DRAWING(S)

Responsive to the Office Action (Paper No. 8) dated December 5, 1995, enclosed find the drawing(s) required for the understanding of the subject matter of the invention in compliance with 35 USC §113.

Respectfully submitted,

By

Osborne K. McKinney
Registration No. 40,084
Address: Bldg. B-1211
Freeport, Texas 77541
Phone: 409-238-7889

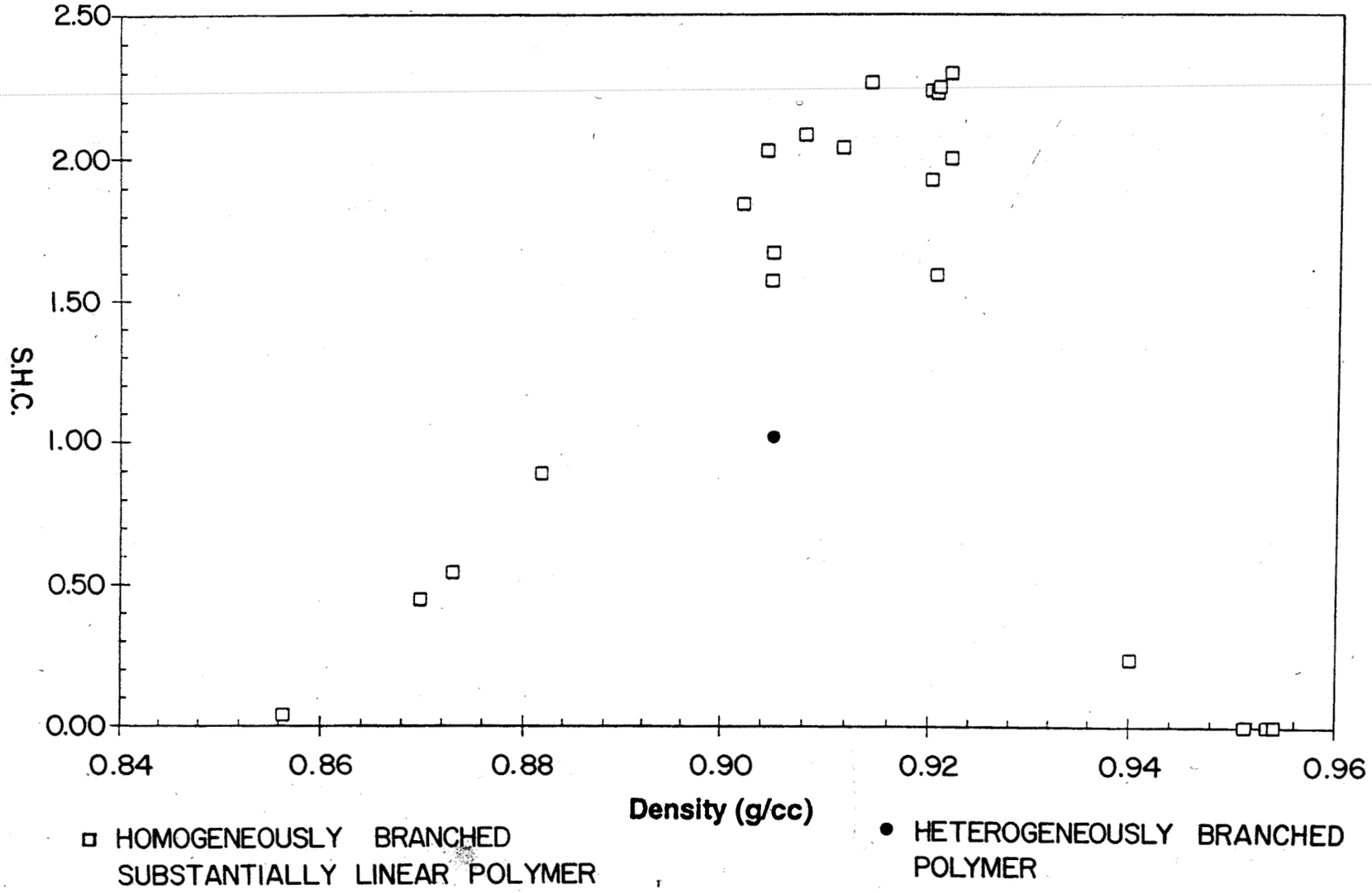
OKM/man

40121AU

APPROVED BY DRAFTSMAN
O G FIG.
CLASS 525 SUBCLASS 240

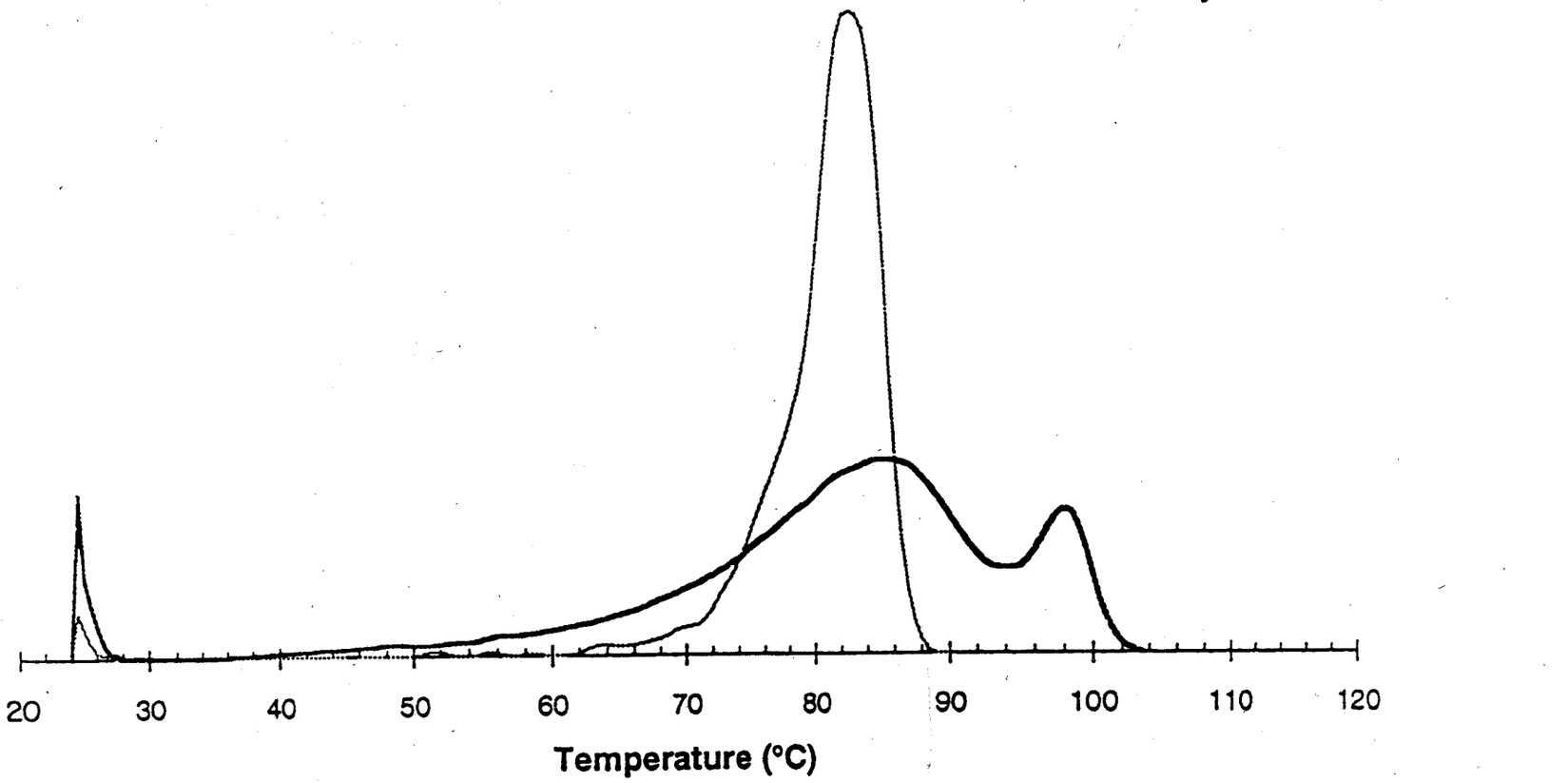
5677383

FIG. 1



APPROVED BY DRAFTSMAN
CLASS SUBCLASS

FIG. 2



Form PTO 948 (Rev. 10-94) U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office Application No. 344,497

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

The drawings filed (insert date) 10/18/95, are
A. ___ not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.
B. X objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color.
   - ___ Not black solid lines. Fig(s)___
   - ___ Color drawings are not acceptable until petition is granted. Fig(s) ___
2. PHOTOGRAPHS. 37 CFR 1.84(b)
   - ___ Photographs are not acceptable until petition is granted. Fig(s) ___
   - ___ Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s)___
   - ___ Poor quality (half-tone). Fig(s)___
3. GRAPHIC FORMS. 37 CFR 1.84 (d)
   - ___ Chemical or mathematical formula not labeled as separate figure. Fig(s)___
   - ___ Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis. Fig(s)___
   - ___ Individuals waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s)___
4. TYPE OF PAPER. 37 CFR 1.84(c)
   - ___ Paper not flexible, strong, white, smooth, nonshiny, and durable. Sheet(s)___
   - X Erasures, alterations, overwritings, interlineations, cracks, creases, and folds copy machine marks not accepted. Fig(s) ___
   - ___ Mylar, velum paper is not acceptable (too thin). Fig(s) ___
5. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
   - 21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)
   - 21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)
   - 21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)
   - 21.0 cm. by 29.7 cm. (DIN size A4)
   - ___ All drawing sheets not the same size. Sheet(s)___
   - ___ Drawing sheet not an acceptable size. Sheet(s) ___
6. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Paper size

	21.6 cm. X 35.6 cm. (8 1/2 X 14 inches)	21.6 cm X 33.1 cm. (8 1/2 X 13 inches)	21.6 cm. X 27.9 cm. (8 1/2 X 11 inches)	21.0 cm. X 29.7 cm. (DIN Size A4)
T	5.1 cm. (2")	2.5 cm. (1")	2.5 cm. (1")	2.5cm.
L	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	2.5 cm.
R	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.5 cm.
B	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.0 cm.

Margins do not conform to chart above. Sheet(s) 12
___Top (T) X Left (L) ___Right (R) ___Bottom (B)

7. VIEWS. 37 CFR 1.84(h)
   REMINDER: Specification may require revision to correspond to drawing changes.
   - ___ All views not grouped together. Fig(s)___
   - ___ Views connected by projection lines or lead lines. Fig(s)___

   Partial views. 37 CFR 1.84(h) 2
   - ___ View and enlarged view not labled separatly or properly. Fig(s)___

   Sectional views. 37 CFR 1.84 (h) 3
   - ___ Hatching not indicated for sectional portions of an object. Fig(s)___
   - ___ Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. Fig(s)___
8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
   - ___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s)___
9. SCALE. 37 CFR 1.84(k)
   - ___ Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s)___
   - ___ Indication such as "actual size" or scale 1/2" not permitted. Fig(s)___
10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
    - ___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (except for color drawings). Fig(s)___
11. SHADING. 37 CFR 1.84(m)
    - ___ Solid black shading areas not permitted. Fig(s)___
    - ___ Shade lines, pale, rough and blurred. Fig(s)___
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
    - ___ Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(l) Fig(s)___
    - ___ Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(l) Fig(s)___
    - ___ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s)___
    - ___ Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR(p)(3) Fig(s)___
13. LEAD LINES. 37 CFR 1.84(q)
    - ___ Lead lines cross each other. Fig(s)___
    - ___ Lead lines missing. Fig(s)___
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
    - ___ Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s)___
15. NUMBER OF VIEWS. 37 CFR 1.84(u)
    - ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s)___
    - ___ View numbers not preceded by the abbreviation Fig. Fig(s)___
16. CORRECTIONS. 37 CFR 1.84(w)
    - ___ Corrections not made from prior PTO-948. Fig(s)___
17. DESIGN DRAWING. 37 CFR 1.152
    - ___ Surface shading shown not appropriate. Fig(s)___
    - ___ Solid black shading not used for color contrast. Fig(s)___

COMMENTS:

REVIEWER [illegible] DATE 12/5/96

PART B—ISSUE FEE TRANSMITTAL

MAILING INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE. Blocks 2 through 6 should be completed where appropriate. All further correspondence including the Issue Fee Receipt, the Patent, advance orders and notification of maintenance fees will be mailed to addresses entered in Block 1 unless you direct otherwise, by: (a) specifying a new correspondence address in Block 3 below; or (b) providing the PTO with a separate "FEE ADDRESS" for maintenance fee notifications with the payment of Issue Fee or thereafter. **See reverse for Certificate of Mailing, below.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending on the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Issue Fee, Assistant Commissioner for Patents, Washington D.C. 20231

1. CORRESPONDENCE ADDRESS

15M2/0114

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

2. INVENTOR(S) ADDRESS CHANGE (Complete only if there is a change)

INVENTOR'S NAME

Street Address

City, State and ZIP Code

RECEIVED
Publishing Division
APR 18 1997

CO-INVENTOR'S NAME

Street Address

City, State and ZIP Code

03

☐ Check if additional changes are enclosed

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT		DATE MAILED
08/544,497	10/18/95	018	WU, D	1505	01/14/97

First Named Applicant: CHUM, PAK-WING S.

TITLE OF INVENTION: FABRICATED ARTICLES MADE FROM ETHYLENE POLYMER BLENDS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
1 C-40.121-AU	525-240.000	146	UTILITY	NO	$1290.00	04/14/97

3. Correspondence address change (Complete only if there is a change)

Stephen S. Grace
The Dow Chemical Company
P.O. Box 1967
Midland, Michigan 48641-1967

4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR, alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

5. ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or type)

(1) NAME OF ASSIGNEE: The Dow Chemical Company

(2) ADDRESS: (CITY & STATE OR COUNTRY) Midland, Michigan USA

A. ☐ This application is NOT assigned.
☐ Assignment previously submitted to the Patent and Trademark Office.
☒ Assignment is being submitted under separate cover. Assignments should be directed to Box ASSIGNMENTS.
PLEASE NOTE: Unless an assignee is identified in Block 5, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the PTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

6a. The following fees are enclosed:
☐ Issue Fee ☐ Advance Order - # of Copies _____

6b. The following fees should be charged to: 04-1512
DEPOSIT ACCOUNT NUMBER _____
(ENCLOSE A COPY OF THIS FORM)
☒ Issue Fee ☐ Advance Order - # of Copies _____
☒ Any Deficiencies in Enclosed Fees

The COMMISSIONER OF PATENTS AND TRADEMARKS is requested to apply the Issue Fee to the application identified above.

(Authorized Signature) Reg No. 40,084 (Date) 4/11/97

NOTE: The Issue Fee will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the Patent and Trademark Office.

Certificate of Mailing

Note: If this certificate of mailing is used, it can only be used to transmit the Issue Fee. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficent postage as first class mail in an envelope addressed to: **Box ISSUE FEE**
Assistant Commissioner for Patents
Washington, D.C. 20231

010 BL 04-1512 05/20/97 08544497
81115 142

on: April 14, 1997 (Date)
Carrie Gray (Name of person making deposit)
Carrie Gray (Signature)
April 14, 1997 (Date)

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PATENT DEPT. TEXAS

1. TRANSMIT THIS FORM WITH FEE

PTOL-85B (REV.05-96) Approved for use through 05/31/96. OMB 0651-0033 **Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**

PTO UTILITY GRANT

Paper Number 11

The United States of America

The Commissioner of Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to an statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

Bruce Lehman
Commissioner of Patents and Trademarks

Melvinia Gary
Attest

Form PTO-1584 (Rev. 2/97)