

EXHIBIT A

DAO88 (Rev. 1/94) Subpoena in a Civil Case

Issued by the
UNITED STATES DISTRICT COURT
DISTRICT OF MASSACHUSETTS

**L-3 COMMUNICATIONS SECURITY AND
DETECTION SYSTEMS CORPORATION
DELAWARE**

Plaintiff,

**v.
AMERICAN SCIENCE & ENGINEERING,
INC.**

Defendant.

SUBPOENA IN A CIVIL CASE

U.S. Dist. Ct. D. Mass.
Case No: 04-10339-RWZ

TRUE COPY ATTEST
D. H. Sullivan
CONSTABLE

TO: Bromberg & Sunstein LLP by Bruce D. Sunstein, Esq., Bromberg and Sunstein LLP, 125 Summer Street, Boston, MA 02110

☒ **YOU ARE COMMANDED** to appear at the place, date, and time specified below to testify at the taking of a deposition in the above case.

PLACE OF DEPOSITION

Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210

DATE AND TIME

March 1, 2005, 10:00 am

☒ **YOU ARE COMMANDED** to bring the following documents or objects to the deposition at the place, the date, and time specified below (list documents or objects): **See the documents described in the attached Schedule A.**

PLACE

Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210

DATE AND TIME

March 1, 2005, 10:00 am

☐ **YOU ARE COMMANDED** to permit inspection of the following premises at the date and time specified below.

PREMISES

DATE AND TIME

Any organization not a party to this suit that is subpoenaed for the taking of a deposition shall designate one or more officers, directors, or managing agents, or other persons who consent to testify on its behalf, and may set forth, for each person designated, the matters on which the person will testify. Federal Rules of Civil Procedure, 30(b)(6).

ISSUING OFFICER SIGNATURE AND TITLE (INDICATE IF ATTORNEY FOR PLAINTIFF OR DEFENDANT)

DATE

Attorney for L-3 Communications Security and
Detection Systems Corporation Delaware

February 11, 2005

ISSUING OFFICER NAME, ADDRESS AND PHONE NUMBER

Robert M. Abrahamsen
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210-2206
617-646-8000

97391

I hereby certify and return that today, February 15, 2005, I summoned the within named witness Bromberg and Sunstein LLP by Bruce D. Sunstein, to appear and give testimony (*or produce*) as within directed, by delivering in hand to Pamela Signorelli, Agent in Charge, a true and attested copy of the within United States District Court Subpoena, together with the sum of \$43.00, (Forty-Three Dollars and Zero Cents), being the fee for one day's attendance and travel. Said service was effected at: Bromberg and Sunstein LLP, by Bruce D. Sunstein, Esq., 125 Summer Street, Boston, MA 02110.

I declare under the penalty of perjury under the laws of the United States of America that the foregoing information is true and correct. Executed on February 15, 2005.



Francis Davis, Constable, City of Boston
& Disinterested Person over Age 18.

Service:\$45.00 Witness Fee:\$43.00 Total:\$88.00

Butler and Witten
Boston, MA
(617) 325-6455 ,

Schedule A

1. All files, including supplemental files, concerning the prosecution U.S. Patent Application Ser. No. 60/011,495.
2. All files, including supplemental files, concerning the prosecution U.S. Patent Application Ser. No. 08/799,533, now U.S. Patent No. 5,764,683.
3. All files, including supplemental files, concerning the prosecution U.S. Patent Application Ser. No. 90/005,268, now Reexamination certificate 4211.
4. All files, including supplemental files, concerning the prosecution U.S. Patent Application Ser. No. 09/072,212, now U.S. Patent No. 5,903,623.
- 5 All files, including supplemental files, concerning the prosecution U.S. Patent Application Ser. No. 09/305,417, now U.S. Patent No. 6,252,929.
6. All files, including supplemental files, concerning the prosecution U.S. Patent Application Ser. No. 10/229,993.
7. All files, including supplemental files, concerning the prosecution U.S. Patent Application Ser. No. 09/855,961, now U.S. Patent No. 6,292,533.
8. All files, including supplemental files, concerning any foreign counterparts of the above patent applications.

EXHIBIT B

AO88 (Rev. 1/94) Subpoena in a Civil Case

Issued by the
UNITED STATES DISTRICT COURT
 DISTRICT OF MASSACHUSETTS

TRUE COPY ATTEST
D. H. Sullivan
 CONSTABLE

L-3 COMMUNICATIONS SECURITY AND
 DETECTION SYSTEMS CORPORATION
 DELAWARE

Plaintiff,

v.
 AMERICAN SCIENCE & ENGINEERING,
 INC.

Defendant.

SUBPOENA IN A CIVIL CASE

U.S. Dist. Ct. D. Mass.
 Case No: 04-10339-RWZ

TO: **Samuel J. Petuchowski, Esq., Bromberg and Sunstein LLP, 125 Summer Street, Boston, MA 02110**

☒ **YOU ARE COMMANDED** to appear at the place, date, and time specified below to testify at the taking of a deposition in the above case.

PLACE OF DEPOSITION

Wolf, Greenfield & Sacks, P.C.
 600 Atlantic Avenue
 Boston, MA 02210

DATE AND TIME

March 2, 2005, 10:00 am

☒ **YOU ARE COMMANDED** to bring the following documents or objects to the deposition at the place, the date, and time specified below (list documents or objects): **See the materials described in the attached Schedule A.**

PLACE

Wolf, Greenfield & Sacks, P.C.
 600 Atlantic Avenue
 Boston, MA 02210

DATE AND TIME

March 2, 2005, 10:00 am

☐ **YOU ARE COMMANDED** to permit inspection of the following premises at the date and time specified below.

PREMISES

DATE AND TIME

Any organization not a party to this suit that is subpoenaed for the taking of a deposition shall designate one or more officers, directors, or managing agents, or other persons who consent to testify on its behalf, and may set forth, for each person designated, the matters on which the person will testify. Federal Rules of Civil Procedure, 30(b)(6).

ISSUING OFFICER SIGNATURE AND TITLE (INDICATE IF ATTORNEY FOR PLAINTIFF OR DEFENDANT)

DATE

Attorney for L-3 Communications Security and
 Detection Systems Corporation Delaware

February 11, 2005

ISSUING OFFICER NAME, ADDRESS AND PHONE NUMBER

Robert M. Abrahamsen
 Wolf, Greenfield & Sacks, P.C.
 600 Atlantic Avenue
 Boston, MA 02210-2206
 617-646-8000

77390

I hereby certify and return that today, February 14, 2005, I summoned the within named witness Samuel J. Petuchowski Esq. to appear and give testimony (*or produce*) as within directed, by delivering in hand to Samuel J. Petuchowski Esq., a true and attested copy of the within United States District Court Subpoena, together with the sum of \$43.00, (Forty-Three Dollars and Zero Cents), being the fee for one day's attendance and travel. Said service was effected at: Bromberg and Sunstein LLP, 125 Sun. Street, Boston, MA 02110.

I declare under the penalty of perjury under the laws of the United States of America that the foregoing information is true and correct. Executed on February 14, 2005.



Francis Davis, Constable, City of Boston
& Disinterested Person over Age 18.

Service:\$45.00 Witness Fee:\$43.00 Total:\$88.00

Butler and Witten
Boston, MA
(617) 325-6455 ,

Schedule A

1. All files, including supplemental files, concerning the preparation or prosecution of U.S. Patent Application Ser. No. 60/011,495.
2. All files, including supplemental files, concerning the preparation or prosecution of U.S. Patent Application Ser. No. 08/799,533, now U.S. Patent No. 5,764,683.
3. All files, including supplemental files, concerning the preparation or prosecution of U.S. Patent Application Ser. No. 90/005,268, now Reexamination certificate 4211.
4. All files, including supplemental files, concerning the preparation or prosecution of U.S. Patent Application Ser. No. 09/072,212, now U.S. Patent No. 5,903,623.
5. All files, including supplemental files, concerning the preparation or prosecution of U.S. Patent Application Ser. No. 09/305,417, now U.S. Patent No. 6,252,929.
6. All files, including supplemental files, concerning the preparation or prosecution of U.S. Patent Application Ser. No. 10/229,993.
7. All files, including supplemental files, concerning the preparation or prosecution of U.S. Patent Application Ser. No. 09/855,961, now U.S. Patent No. 6,292,533.
8. All files, including supplemental files, concerning the preparation or prosecution of any foreign counterparts of the above patent applications.

EXHIBIT C



Robert M. Abrahamsen
rabrahamsen@wolfgreenfield.com
direct dial 617.646.8256

VIA FACSIMILE

March 2, 2005

Erik Paul Belt, Esq.
Bromberg & Sunstein, LLP
125 Summer Street
Boston, MA 02110-1618

Re: L-3 Communications v. American Science & Engineering, Inc. v
Civil Action No. 04-10339-RWZ (D. Mass.)
Your File No. 1945/511
Our File No. L0632.60003US00

Dear Erik:

We are in receipt of your "objections" to the deposition subpoenas we recently served on Bromberg & Sunstein and Samuel Petuchowski. That document raised several issues which we would like to resolve in advance of the depositions.

First, we would like to clarify what appears to be a misunderstanding on your part concerning the nature of the request made in connection with Schedule A of the subpoenas. The subpoenas specifically require all of the specified materials, whether or not immune from discovery, to be brought to the deposition. The reason for this is that we want the materials to be available for the deponents to reference during the depositions to refresh their recollections as to the contents of the files or to events that took place during the prosecution of the applications. It is not our intent to inspect or copy privileged materials that are brought to the deposition, but only to have them available for use by the witnesses. We thus expect the files that are brought to the deposition to be complete, i.e., with no documents removed on the basis of privilege, work product, or any other reason.

Second, in paragraphs 4 and 5 of your "general objections," you stated that AS&E will make a production of non-privileged documents from these files, and will provide a privilege log for any documents that are withheld. Because all of these materials were specifically called out in earlier document requests served on AS&E in this case, we expect you to produce those materials (along with a privilege log) on or before March 16, 2005, as promised.

Third, at the February 17 deposition, a request was made that AS&E produce a privilege log for any invention disclosures that were prepared for the Cargo Search or Mobile CargoSearch systems. The witness's testimony indicated that invention disclosures may have been prepared, at least initially, for AS&E personnel for the purpose of making a "business" decision concerning whether to file patent applications for the subject inventions. As such materials were



Erik Paul Belt, Esq.
March 2, 2005
Page 2

clearly called for in L-3's earlier requests, we ask that any such documents also be produced by March 16, and, for any such documents that are withheld on grounds of privilege, that we be provided with a privilege log that contains sufficient information to enable us, and the Court, to determine whether the assertion of privilege is proper. Please confirm that AS&E is willing to comply with this request.

Fourth, in your "specific objections" to Schedule A item nos. 2, 3, 5, 6, and 8, you refused to produce the requested materials on grounds of relevance. Those files are clearly discoverable, however, as they relate to applications in the same priority chain as the patents in this lawsuit. ~~They may, for example, contain materials bearing on the knowledge or state of~~ mind of the attorneys who maintained them. Because information from the earlier files may not have found its way into the later files, or vice versa, we are entitled to discovery concerning the contents of all files in the priority chain. Moreover, as I am sure you are aware, it is not uncommon for patents to be held unenforceable as a result of inequitable conduct committed in connection with different patents in the same family as those involved in a lawsuit. Thus, the materials in the requested files may bear directly on the issue of whether the patents-in-suit are themselves enforceable.

In view of this, we request that you withdraw your objections and agree to produce all such files. If you refuse to do so, we will file a motion to compel their production. Accordingly, if you are unwilling to produce these materials, please contact me immediately for a Local Rule 37.1 conference on this issue.

Very truly yours,

WOLF, GREENFIELD & SACKS, P.C.

A handwritten signature in black ink, appearing to be 'R. M. Abrahamsen', written over a horizontal line.

Robert M. Abrahamsen

RMA/psv

EXHIBIT D

PRIVILEGE LOG IN RESPONSE TO SUBPOENAS TO BROMBERG & SUNSTEIN LLP AND SAMUEL J. PETUCHOWSKI

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
1.	9/24/1996	Letter	S. Petuchowski	M. Hynes		Status of Patent Matters	'495	A.C.
2.	12/18/1996	Letter	S. Petuchowski	M. Hynes		Status of Patent Matters	'495	A.C.
3.	06/06/1996	Letter	T. Murphy	M. Hynes	R. Schueller	Status of Patent Matters	'495	A.C.
4.	03/25/1996	Letter	T. Murphy	M. Hynes	R. Schueller	Status of Patent Matters	'495	A.C.
5.	02/22/1996	Fax	J. Gebhardt	C. Hardacre		Status of Patent Matters	'495	A.C.
6.	2/13/1996	Letter	B. Sunstein	M. Hynes	R. Schueller	Status of Patent Matters	'495	A.C.
7.	02/09/1996	Fax	B. Sunstein	R. Schular		Status of Patent Matters	'495	A.C.
8.	02/08/1996	Fax	R. Schueller	B. Sunstein	M. Hynes	Status of Patent Matters	'495	A.C.
9.	02/09/1996	Teleconference Memo	B. Sunstein	R. Schueller		Status of Patent Matters	'495	A.C.
10.	Undated	Note	S. Petuchowski			Status of Patent Matters	'495	A.C.
11.	09/27/2002	Letter	S. Petuchowski	E. Lewis	J. Callerame	Status of Patent Matters	'623	A.C.
12.	08/15/2002	Letter	S. Petuchowski	E. Lewis		Status of Patent Matters	'623	A.C.
13.	07/15/2002	Letter	S. Petuchowski	E. Lewis	J. Callerame	Status of Patent Matters	'623	A.C.
14.	12/07/2000	Fax	S. Petuchowski	E. Lewis		Patent	'623	A.C./W.P.
15.	05/25/1999	Letter	S. Petuchowski	J. Bernfeld		Status of Patent Matters	'623	A.C.
16.	05/21/1999	Letter	S. Petuchowski	J. Bernfeld		Status of Patent Matters	'623	A.C.
17.	05/05/1999	Letter	S. Petuchowski	J. Bernfeld	R. Daut	Status of Patent Matters	'623	A.C./W.P.

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
18.	12/17/1998	Letter	S. Petuchowski	J. Bernfeld		Status of Patent Matters	'623	A.C.
19.	11/30/1998	Letter	S. Petuchowski	J. Bernfeld		Status of Patent Matters	'623	A.C.
20.	10/20/1998	Letter	S. Petuchowski	J. Bernfeld		Status of Patent Matters	'623	A.C.
21.	09/23/1998	Letter	S. Petuchowski	J. Bernfeld	J. Callerame	Status of Patent Matters	'623	A.C.
22.	08/28/1998	Letter	S. Petuchowski	J. Bernfeld		Status of Patent Matters	'623	A.C.
23.	08/26/1998	Letter	S. Petuchowski	L. Grodzins	J. Bernfeld	Status of Patent Matters	'623	A.C.
24.	08/26/1998	Teleconference Memo	S. Petuchowski	L. Grodzins		Status of Patent Matters	'623	A.C.
25.	08/19/1998	Letter	S. Petuchowski	L. Grodzins		Status of Patent Matters	'623	A.C.
26.	08/19/1998	Letter	S. Petuchowski	J. Bernfeld J. Callerame	W. Adams L. Grodzins	Status of Patent Matters	'623	A.C.
27.	05/28/1998	Letter	S. Petuchowski	J. Bernfeld	W. Adams	Status of Patent Matters	'623	A.C.
28.	05/05/1998	Letter	S. Petuchowski	J. Bernfeld	R. Swift	Status of Patent Matters	'623	A.C.
29.	05/01/1998	Memo to File	S. Petuchowski			Meeting with Adams and Swift	'623	A.C.
30.	05/01/1998	Fax	S. Petuchowski	W. Adams R. Swift J. Bernfeld		Status of Patent Matters	'623	A.C.
31.	04/28/1998	Letter	S. Petuchowski	J. Bernfeld		Status of Patent Matters	'623	A.C.
32.	08/19/1998	Fax	S. Petuchowski	J. Bernfeld C. Callerame	W. Adams L. Grodzins	Status of Patent Matters	'623	A.C.
33.	09/24/2001	Letter	J. Conway	E. Lewis		Status of Patent Matters	'533	A.C.
34.	09/14/2001	Letter	J. Conway	E. Lewis		Status of Patent Matters	'533	A.C.

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
35.	09/19/2001	Letter	S. Petuchowski	E. Lewis		Status of Patent Matters	'533	A.C.
36.	07/18/2001	Letter	J. Conway	E. Lewis	J. Callera	Status of Patent Matters	'533	A.C.
37.	07/18/2001	Letter	J. Conway	E. Lewis	J. Callera	Status of Patent Matters	'533	A.C.
38.	07/10/2001	Fax	J. Conway	E. Lewis		Status of Patent Matters	'533	A.C.
39.	07/09/2001	Fax	J. Conway	E. Lewis		Status of Patent Matters	'533	A.C.
40.	07/12/2001	Letter	S. Petuchowski	E. Lewis		Status of Patent Matters	'533	A.C.
41.	06/07/2001	Letter	J. Conway	E. Lewis		Status of Patent Matters	'533	A.C.
42.	06/07/2001	Letter	J. Conway	R. Daut	E. Lewis J. Callera	Status of Patent Matters	'533	A.C./W.P.
43.	06/11/2001	Letter	J. Conway	E. Lewis		Status of Patent Matters	'533	A.C.
44.	05/31/2001	Letter	J. Conway	E. Lewis	J. Callera	Status of Patent Matters	'533	A.C.
45.	05/23/2001	Letter	J. Conway	R. Daut	E. Lewis J. Callera	Status of Patent Matters	'533	A.C./W.P.
46.	05/10/2001	Letter	J. Conway	E. Lewis	J. Callera R. Daut	Status of Patent Matters	'533	A.C./W.P.
47.	05/16/2001	Letter	J. Conway	E. Lewis	J. Callera R. Daut	Status of Patent Matters	'533	A.C./W.P.
48.	05/14/2001	Fax	J. Conway	E. Lewis		Status of Patent Matters	'533	A.C.

SUPPLEMENTAL PRIVILEGE LOG IN RESPONSE TO SUBPOENAS TO BROMBERG & SUNSTEIN LLP AND SAMUEL J. PETUCHOWSKI

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
49.	07/11/2001	Letter	S. Petuchowski	E. Lewis		Patent	'683	A.C.
50.	06/21/2001	Letter	S. Petuchowski	E. Lewis		Patent	'683	A.C.
51.	06/12/1998	Letter	S. Petuchowski	J. Bernfeld	W. Adams	Patent	'683	A.C.
52.	06/11/1998	Fax	S. Petuchowski	R. Dowell		Patent	'683	A.C.
53.	06/11/1998	Fax	S. Petuchowski	R. Dowell		Patent	'683	A.C.
54.	06/11/1998	Fax	S. Petuchowski	J. Bernfeld		Patent	'683	A.C.
55.	06/10/1998	Fax	S. Petuchowski	J. Carr		Patent	'683	A.C.
56.	06/09/1998	Fax	S. Petuchowski	L. Steele		Patent	'683	A.C.
57.	06/03/1998	Letter	S. Petuchowski	N. Niazi		Patent	'683	A.C.
58.	06/09/1998	Fax	R. Dowell	S. Petuchowski		Patent	'683	A.C.
59.	06/09/1998	Teleconference Memo	S. Petuchowski			Patent	'683	A.C.
60.	06/02/1998	Letter	S. Petuchowski	N. Niazi		Patent	'683	A.C.
61.	05/28/1998	Letter	S. Petuchowski	J. Bernfeld		Patent	'683	A.C.
62.	06/02/1998	Fax	J. Carr	B. Sunstein		Patent	'683	A.C.
63.	06/01/1998	Fax	B. Sunstein	R. Peters		Patent	'683	A.C.
64.	06/01/1998	Fax	B. Sunstein	J. Bernfeld		Patent	'683	A.C.
65.	06/01/1998	Fax	J. Carr	B. Sunstein		Patent	'683	A.C.

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
66.	06/01/1998	Teleconference Memo				Patent	'683	A. C.
67.	06/01/1998	Teleconference Memo	B. Sunstein			Patent	'683	A.C.
68.	05/12/1998	Letter	S. Petuchowski	T. Sobol		Patent	'683	A.C./W.P.
69.	05/12/1998	Teleconference Memo	S. Petuchowski			Patent	'683	A.C.
70.	Undated	Teleconference Memo	S. Petuchowski			Patent	'683	A.C.
71.	05/05/1998	Teleconference Memo	S. Petuchowski			Patent	'683	A.C.
72.	05/05/1998	Letter	R. Dowell	S. Petuchowski		Patent	'683	A.C.
73.	05/08/1998	Teleconference Memo				Patent	'683	A.C.
74.	05/04/1998	Teleconference Memo				Patent	'683	A.C.
75.	03/04/1998	Note				Patent	'683	A.C.
76.	05/04/1998	Letter	S. Petuchowski	R. Dowell		Patent	'683	A.C.
77.	05/03/1998	Letter	R. Dowell	S. Petuchowski		Patent	'683	A.C.
78.	03/02/1998	Letter	S. Petuchowski	R. Dowell	J. Bernfeld	Patent	'683	A.C.
79.	02/25/1998	Fax	S. Petuchowski	J. Bernfeld		Patent	'683	A.C.
80.	02/26/1998	Telephone Note	S. Petuchowski			Patent	'683	A.C.
81.	01/16/1998	Fax	S. Petuchowski	J. Bernfeld		Patent	'683	A.C.
82.	01/19/1998	Fax	J. Carr	S. Petuchowski		Patent	'683	A.C.
83.	01/16/1998	Teleconference Memo				Application status	'683	A.C.
84.	01/15/1998	Fax	J. Carr	S. Petuchowski		Patent application status	'683	A.C.
85.	01/13/1998	Letter	S. Petuchowski	J. Bernfeld	W. Adams L. Grodzins	Patent application status and Planning	'683	A.C.

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
86.	11/12/1997	Letter	S. Petuchowski	J. Bernfeld	W. Adams	Application update	'683	A.C.
87.	11/04/1997	Telephone Note	S. Petuchowski	J. Reed		Patent	'683	A.C.
88.	08/25/1997	Letter	S. Petuchowski	W. Adams		Application status	'683	A. C.
89.	01/16/1998	Fax	A. Daley	J. Carr		Application status	'683	A.C.
90.	08/11/1997	Letter	S. Petuchowski	J. Bernfeld		Application Status	'683	A.C.
91.	07/29/1997	Letter	V. Lannigan	J. Bernfeld		Application Status	'683	A.C.
92.	07/10/1997	Memo	S. Petuchowski	To File		Application Issues	'683	A.C.
93.	06/26/1997	Letter	S Petuchowski	J. Bernfeld		Application Status	'683	A.C.
94.	05/23/1997	Letter	V. Lannigan	M. Hynes		Application Status	'683	A.C.
95.	03/24/1997	Draft				Draft Assignment	'683	A.C.
96.	03/31/1997	Fax	S. Petuchowski	J. Bernfeld		Application Status	'683	A.C.
97.	03/14/1997	Letter	S. Petuchowski	M. Hynes		Application status and planning	'683	A.C.
98.	02/19/1997	Letter	V. Lannigan	M. Hynes		Application Status	'683	A.C.
99.	02/12/1997	Teleconference Memo	S. Petuchowski	M. Hynes		Application	'683	A.C.
100.	02/12/1997	Fax	S. Petuchowski	R. Swift		Application	'683	A.C.
101.	01/12/1997	Teleconference Memo	S. Petuchowski	R. Swift		Patent	'683	A.C.
102.	02/10/1997	Draft	R. Swift	S. Petuchowski		Draft	'683	A.C.
103.	02/11/1997	Letter	S. Petuchowski	M. Hynes		Draft patent application	'683	A.C.
104.	01/26/2001	Fax	S. Petuchowski	R. Daut		Fax transmission	'683	A.C./W.P.

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
105.	12/06/2000	Fax	S. Petuchowski	E. Lewis		Patent	'683	A.C./W.P.
106.	11/28/2000	Letter	S. Petuchowski	E. Lewis	J. Callerame	Re-exam application	'683	A.C./W.P.
107.	09/21/2000	Email	S. Petuchowski	N. January		Status of Re-Exam	'683	W.P.
108.	07/07/2000	Letter	S. Petuchowski	E. Lewis		Status of Re-Exam	'683	A.C./W.P.
109.	06/28/2000	Letter	S. Petuchowski	E. Lewis R. Daut		Status of Re-Exam	'683	A.C./W.P.
110.	03/24/2000	Letter	S. Petuchowski	E. Lewis		Status of Re-Exam	'683	A.C./W.P.
111.	02/04/2000	Email	S. Petuchowski	B. Sunstein		Status of Re-Exam	'683	W.P.
112.	12/17/1999	Letter	S. Petuchowski	J. Callerame	D. Sullivan T. Sobol	Status of Re-Exam	'683	A.C./W.P.
113.	12/16/1999	Letter	S. Petuchowski	J. Callerame	D. Sullivan T. Sobol	Status of Re-Exam	'683	A.C./W.P.
114.	12/15/1999	Letter	S. Petuchowski	J. Callerame	D. Sullivan T. Sobol	Draft material for review	'683	A.C./W.P.
115.	12/17/1999	Fax	S. Petuchowski	T. Sobol		Material for review and comment	'683	A.C./W.P.
116.	11/08/1999	Letter	S. Petuchowski	J. Bernfeld		Material for review	'683	A.C./W.P.
117.	10/21/1999	Letter	S. Petuchowski	J. Bernfeld	T. Sobol	Comments and notes on material received.	'683	A.C./W.P.
118.	07/30/1999	Letter	S. Petuchowski	J. Bernfeld	R. Daut	Status of Re-Exam	'683	A.C./W.P.
119.	07/29/1999	Letter	S. Petuchowski	R. Daut J. Bernfeld		Status of Re-Exam	'683	A.C./W.P.
120.	06/24/1999	Letter	S. Petuchowski	R. Daut J. Bernfeld		Status of Re-Exam	'683	A.C./W.P.
121.	06/17/1999	Fax cover	S. Petuchowski	R. Daut		Draft for review	'683	A.C./W.P.

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
122.	06/17/1999	Fax cover	S. Petuchowski	J. Bernfeld		Draft for review	'683	A.C./W.P.
123.	06/16/1999	Letter	S. Petuchowski	R. Daut J. Bernfeld		Draft for review	'683	A.C./W.P.
124.	05/24/1999	Fax	T. Sobol	S. Petuchowski		Comments, instruction	'683	A.C./W.P.
125.	05/21/1999	Letter	S. Petuchowski	J. Bernfeld	R. Daut T. Sobol	Status of Re-Exam	'683	A.C./W.P.
126.	05/21/1999	Fax/letter	S. Petuchowski	J. Bernfeld	R. Daut T. Sobol	Status of Re-Exam	'683	A.C./W.P.
127.	05/21/1999	Fax/letter	S. Petuchowski	T. Sobol R. Daut		Notes and Comment	'683	A.C.
128.	03/09/1999	Letter	S. Petuchowski	J. Bernfeld		Draft and strategy re: Re-exam	'683	A.C./W.P.
129.	05/21/1999	Teleconference Memo				Patent	'683	A.C.
130.	09/21/2000	Note	S. Petuchowski			Notes to file	'683	A.C./W.P.
131.	06/26/2000	Note	S. Petuchowski			Notes to file	'683	A.C./W.P.
132.	05/12/2000	Telephone Note	S. Petuchowski			Status	'683	A.C./W.P.
133.	04/18/2000	Telephone Note	S. Petuchowski	Hein		Status	'683	A.C.
134.	02/25/2000	Telephone Memo	S. Petuchowski	Church		Status	'683	W.P.
135.	02/04/2000	Email	S. Petuchowski	B. Sunstein		Status	'683	W.P.
136.	12/16/1999	Note	S. Petuchowski			Status	'683	W.P.
137.	Undated	Notes to file				Patent	'683	W.P.
138.	11/08/1999	Notes to file				Status	'683	A.C./W.P.
139.	11/15/1999	Notes to file				Status	'683	A.C./W.P.
140.	01/21/2000	Letter	S. Petuchowski	J. Bernfeld	D. Sullivan	Patent	'683	A.C.
141.	12/07/2000	Letter	S. Petuchowski	E. Lewis		Status of patent	'683	A.C.
142.	05/21/1999	Letter	S. Petuchowski	J. Bernfeld	R. Daut T. Sobol	Status of patent	'683	A.C.
143.	03/24/1999	Letter	S. Petuchowski	L. Grodzins	J. Bernfeld	Status of patent	'683	A.C.
144.	03/22/1999	Letter	S. Petuchowski	L. Grodzins	J. Bernfeld	Patent	'683	A.C.
145.	08/10/1998	Letter	S. Petuchowski	J. Bernfeld		Status of patent	'683	A.C.

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
146.	07/10/1998	Letter	B. Sunstein	J. Bernfeld		Status of patent	'683	A.C.
147.	07/01/1998	Letter	J. Bernfeld	B. Sunstein S. Petuchowski	R. Sheridan	Status of patent	'683	A.C.
148.	06/26/1998	Letter	S. Petuchowski	J. Bernfeld		Status of patent	'683	A.C.
149.	01/31/2005	Letter	J. Conway	W. Sapp		Status	'929	A.C.
150.	06/29/2001	Letter	J. Conway	E. Lewis		Status	'929	A.C.
151.	06/26/2001	Letter	J. Conway	E. Lewis		Status	'929	A.C.
152.	05/02/2001	Letter	J. Conway	E. Lewis		Status	'929	A.C.
153.	05/02/2001	Letter	S. Petuchowski	J. Callerame	E. Lewis R. Daut	Status and strategy	'929	A.C./W.P.
154.	02/28/2001	Letter	S. Petuchowski	E. Lewis	R. Daut	Status and strategy	'929	A.C.
155.	12/11/2000	Letter	S. Petuchowski	E. Lewis		Status and strategy	'929	A.C.
156.	12/06/2000	Letter	S. Petuchowski	J. Callerame		Status and strategy	'929	A.C./W.P.
157.	10/11/2000	Letter	S. Petuchowski	E. Lewis		Status and strategy	'929	A.C.
158.	09/11/2000	Letter	S. Petuchowski	E. Lewis	J. Callerame	Status and strategy	'929	A.C./W.P.
159.	08/14/2000	Letter	S. Petuchowski	E. Lewis		Status and strategy	'929	A.C.
160.	08/01/2000	Letter	S. Petuchowski	J. Callerame	E. Lewis	Status and strategy	'929	A.C./W.P.
161.	04/19/2000	Letter	S. Petuchowski	J. Callerame	E. Lewis	Status and strategy	'929	A.C./W.P.
162.	01/19/2000	Letter	S. Petuchowski	J. Callerame	D. Sullivan J. Carr	Status and strategy	'929	A.C.
163.	01/07/2000	Letter	S. Petuchowski	J. Callerame	D. Sullivan T. Sobol	Status and strategy	'929	A.C./W.P.
164.	11/12/1999	Letter	S. Petuchowski	J. Bernfeld		Status and strategy	'929	A.C.
165.	10/01/1999	Letter	S. Petuchowski	J. Bernfeld		Status and strategy	'929	A.C.
166.	08/18/1999	Letter	S. Petuchowski	J. Bernfeld		Status and strategy	'929	A.C.

Doc	Date	Document Type	Author	Addressee	Copy Recipients	Description	Related Patent No.	Basis for Withholding
167.	08/06/1999	Letter	J. Carr	S. Petuchowski		Status and strategy	'929	A.C.
168.	07/29/1999	Fax/letter	S. Petuchowski	J. Bernfeld		Status and strategy	'929	A.C.
169.	07/22/1999	Teleconference Memo		J. Carr		Status and strategy	'929	A.C.
170.	07/20/1999	Letter	S. Petuchowski	J. Bernfeld		Status and strategy	'929	A.C.
171.	07/15/1999	Teleconference Memo		J. Carr		Status and strategy	'929	A.C.
172.	06/04/1999	Letter	S. Petuchowski	J. Bernfeld		Status and strategy	'929	A.C.
173.	05/25/1999	Letter	S. Petuchowski	J. Bernfeld		Status and strategy	'929	A.C.
174.	04/29/2004	Letter	S. Petuchowski	W. Sapp	W. Grieco N. January	Status and strategy	'929	