

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Bayer Inc.	07/01/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Lanxess Inc.
<b>Street Address:</b>	1265 Vidal Street, South
<b>City:</b>	Sarnia, Province of Ontario
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N7T 7M2
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	10926532
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)809-1054
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	412-809-2233
<b>Email:</b>	ipmail@lanxess.com
<b>Correspondent Name:</b>	Jennifer R. Seng
<b>Address Line 1:</b>	111 RIDC Park West Drive
<b>Address Line 4:</b>	Pittsburgh, PENNSYLVANIA 15275-1112
<b>ATTORNEY DOCKET NUMBER:</b>	MO-6990D
<b>NAME OF SUBMITTER:</b>	Sue Riley

CH \$40.00 10926532

**Total Attachments: 30**  
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## MASTER ASSIGNMENT OF PATENTS

THIS MASTER ASSIGNMENT OF PATENTS is entered into as of July 1, 2004 (this "Assignment") by and between Bayer Inc. ("Bayer"), a Corporation duly incorporated under the laws of Canada, having its principal place of business at the City of Toronto, in the Province of Ontario, Canada M9W 1G6, and LANXESS Inc. ("LANXESS"), a Corporation duly incorporated under the laws of Canada, having its principal place of business at the City of Sarnia, in the Province of Ontario, Canada N7T 7M2.

### RECITALS:

A. Bayer and LANXESS have entered into a certain Asset Purchase Agreement dated as of July 1, 2004 (as amended, restated, supplemented or otherwise modified from time to time, the "Asset Purchase Agreement"), providing, subject to the terms and conditions set forth therein, for the transfer, assignment, conveyance and delivery by Bayer to LANXESS of all of Bayer's right, title and interest in and to the Sold Assets (as defined in the Asset Purchase Agreement), including the Industrial Property Rights (as defined in the Asset Purchase Agreement) constituting a part thereof.

B. Bayer owns certain patents listed on Schedule A hereto (collectively, the "Issued Patents"), certain inventions (the "Inventions") which are the subject of pending patent applications listed on Schedule A hereto (the "Pending Patent Applications"), and certain invention disclosures listed on Schedule B hereto (the "Invention Disclosures"), each used in, attributable or related to, or associated with, the Business.

C. Bayer desires to transfer, assign, convey and deliver to LANXESS, and LANXESS desires to acquire from Bayer, the Issued Patents, the Inventions, the Pending Patent Applications and the Invention Disclosures.

NOW, THEREFORE, in consideration of the mutual agreements contained herein and in the Asset Purchase Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto hereby agree as follows:

1. Definition. As used herein, the term "Patents" means:

(a) the Issued Patents and all continuations, divisions, continuations-in-part, reissues, reexaminations, revisions, renewals and extensions thereof, used in, attributable or related to, or associated with, the Business, and all foreign counterparts to any of the foregoing, including without limitation the Issued Patents listed on Schedule A hereto;

(b) the Pending Patent Applications and all continuations, divisions, continuations-in-part and renewals thereof, used in, attributable or related to, or

associated with, the Business, all foreign counterparts to any of the foregoing (including the right to claim priority of filing), and all letters patent (the "Letters Patent") which may be granted thereon in the Canada or any foreign country and all reissues, reexaminations, revisions, renewals and extensions thereof, used in, attributable or related to, or associated with, the Business, including without limitation the Pending Patent Applications listed on Schedule A hereto; and

(c) the Inventions, the Invention Disclosures and all improvements thereto, and all applications for Letters Patent filed for any of the Inventions or Invention Disclosures in the Canada or any foreign country (including the right to claim priority of filing), and all continuations, divisions, continuations-in-part and renewals thereof, used in, attributable or related to, or associated with, the Business, and all Letters Patent which may be granted on any of the foregoing in the Canada or any foreign country and all reissues, reexaminations, extensions and thereof, used in, attributable or related to, or associated with, the Business, including without limitation the Invention Disclosures listed on Schedule B hereto.

2. Patent Assignment. Bayer hereby transfers, assigns, conveys and delivers to LANXESS the following:

(a) all of Bayer's right, title and interest throughout the world in and under the Patents, whether or not any such Patents have been issued prior to, on or after the date of this Assignment; and

(b) all claims, demands and rights of action, both statutory and based upon common law, that Bayer has or might have by reason of any infringement of any of the Patents prior to, on or after the date of this Assignment, together with the right to prosecute such claims, demands and rights of action in Lanxess's own name.

3. Patent Issuance. Bayer hereby authorizes the Canadian Intellectual Property Office, and any official or agency of any country or countries foreign to the Canada whose duty it is to issue patents, to record LANXESS as assignee and owner of all Patents (to the extent recordable) and to issue all Letters Patent on the Pending Patent Applications, the Inventions and the Invention Disclosures to Lanxess, its successors and assigns, in accordance with the terms of this Assignment.

4. Warranty. Bayer hereby represents and warrants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.

5. Further Assurance. Each of Bayer and LANXESS agrees that it shall do, execute, acknowledge and deliver, at the other party's expense, all acts, agreements, instruments, notices and assurances as may be reasonably requested by the other party to further effect and evidence the transactions contemplated hereby, including

without limitation disclosing all facts known to it respecting the Patents and testifying in any legal proceeding involving enforcement of any of the Patents.

6. Amendment. This Assignment may be amended only with the express written consent of both parties.

7. No Third-Party Beneficiaries. This Assignment is not intended and shall not be construed to be for the benefit of any person (other than the parties hereto and their respective successors and permitted assigns).

8. Governing law. This assignment shall be governed by and construed and interpreted in accordance with the laws of the province of Ontario, and all rights and remedies shall be determined under such laws, without giving effect to the principles of conflict of laws.

9. Counterparts. This Assignment may be executed in counterparts, each of which shall be an original, and all of which together shall constitute one and the same document.

10. Successors and Assigns. This Assignment and the rights and obligations hereunder may not be assigned by either party without the express written consent of the other party (which consent may be refused by the other party in its sole discretion); provided, however, that this Assignment shall be binding upon, and inure to the benefit of, the successors of the parties (whether by merger, consolidation or otherwise) and any permitted assigns.

11. Other Definitions: Asset Purchase Agreement. Unless otherwise defined herein, each capitalized term used herein shall have the meaning assigned thereto in the Asset Purchase Agreement. Notwithstanding anything in this Assignment to the contrary, the transfer, assignment, conveyance and delivery effectuated hereby are subject in all respects to the terms and conditions of the Asset Purchase Agreement.

**Bayer Inc.**  
77 Belfield Road  
Toronto, ON. M9W 1G6  
Canada

**LANXESS Inc.**  
1265 Vidal Street South  
Sarnia, ON. N7T 7M2  
Canada

**In Witness Whereof**, the parties have executed this Assignment as indicated below:

**Bayer Inc.**



Title: Secretary

**LANXESS Inc.**



Title: President & Managing Director

**Bayer Inc. (Schedule A)**

Patent Report by Invention  
Status: ACTIVE

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COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Process For Hydrogenating Carboxylated Nitrile Rubber, The Hydrogenated Rubber And Its Uses**

Inventor Guo, Sharon X.; Bender, Harald

UNITED STATES	POS 1076 US PCT	DCA	04/09/2001	10/258,245			PENDING
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**Preparation of High cis-1,4-polybutadiene with Reduced Gel**

Inventor Osman, Akhtar; Knauf, Thomas

UNITED STATES	POS 1031 US	NEW	09/16/1994	08/308,013	05/02/1995	5,412,045	ISSUED
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**Improved Rubber Composition**

Inventor von Hellens, Carl Walter

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
UNITED STATES	POS 1079 US PCT	DCA	05/10/2001	10/275,676			PENDING

**Hydrogenated Styrene-Butadiene-Nitrile Rubber**

Inventor Guo, Sharon X.

UNITED STATES	POS 1082 US PCT	DCA					PROPOSED
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**Halomethylation of Polymer**

Inventor Osman, Akhtar

UNITED STATES	POS 1032 US	NEW	05/25/1995	08/450,439	05/13/1997	5,629,386	ISSUED
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**Improved Polymer Bromination Process.**

Inventor Kaszas, Gabor; Baade, Wolfgang; Konigshofen, Heinrich

UNITED STATES	POS 1038 US	CEQ	02/24/1997	08/804,775	03/16/1999	5,883,198	ISSUED
UNITED STATES	POS 1038 US DIV	DIV	11/19/1998	08/195,404	03/20/2001	6,204,338	ISSUED
UNITED STATES	POS 1038 USCONT	CON	04/13/2000	N/A			PENDING

**Improved Polymer Bromination Process in Solution.**

Inventor Kaszas, Gabor; Baade, Wolfgang; Konigshofen, Heinrich



COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
<i>Improved Polymer Bromination Process in Solution. continued . . .</i>							
UNITED STATES	POS 1039 US	CEQ	02/24/1997	08/804,767	05/15/2001	6,232,409	ISSUED
UNITED STATES	POS 1039 US CON	CON	04/06/2000	N/A			PENDING
UNITED STATES	POS 1039 US DIV	DIV	02/28/2001	09/796,182	07/16/2002	6,420,489	ISSUED

**Process for Making Stabilised Non-Coloured Rubber**

Inventor Steiger, Roland

UNITED STATES	POS 1040 US PCT	DCA	12/31/1997	09/331,927	01/16/2001	6,174,991	ISSUED
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**Improved Polymer Composition and Process for Producing Vulcanizates Thereof.**

Inventor Campomizzi, Ezio; Bender, Harald

UNITED STATES	POS 1066 US	CEQ	08/28/2000	09/649,886			PENDING
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**Halogenated Terpolymers of Isobutylene, Diolefin Monomer and Styrenic Monomer.**

Inventor Kaszas, Gabor

UNITED STATES	POS 1070 US PCT	DCA	03/13/2002	10/070,955			PENDING
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**Rubber Composition.**

Inventor Hopkins, William

UNITED STATES	POS 1071 US PCT	DCA	01/28/2002	10/048,281	05/18/2004	6,737,476	ISSUED
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COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Modular Reactor System Allowing Control of Particle Size During Chemical Precipitation.**

Inventor Koski, Ahti August; Arsenault, Gilles; Drope, David

UNITED STATES	POS 1075 US	CEQ	12/20/2000	09/742,968			PENDING
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**Rubber Compositions and Method of Making Them**

Inventor von Hellens, Carl Walter

UNITED STATES	POS 1050 US	CEQ	09/28/1999	09/407,512	04/30/2002	6,380,291	ISSUED
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**Adsorbent Activity Characterization**

Inventor Puskas, Judith E; Ramhi, Shabzed

UNITED STATES	POS 1057 US	NEW	10/05/1998	09/166,511	07/15/2003	6,593,747	ISSUED
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**Butyl Polymer Composition Having Improved Cold Flow Properties**

Inventor Pazur, Richard; Sumner, Anthony J.

UNITED STATES	POS 1083 US PCT	DCA					PROPOSED
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**Hydrogenated Nitrile Rubbers With Improved Low-Temperature Properties**

Inventor Bender, Harald; Nguyen, Paul; Gamlin, Janet; Guo, Sharon X.; Casper, Rudolf; Winkelbach, Hans Rafael; Strauch, Hans Christian

UNITED STATES	POS 1085 US PCT	DCA	02/21/2003	10/362,347			PENDING
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**Improved Processability Butyl Rubber And Process For Production Thereof**

Inventor Kaszas, Gabor

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*Improved Processability Butyl Rubber And Process For Production Thereof continued . . .*

UNITED STATES	POS 1080 US PCT	DCA	02/20/2003	10/362,202			PENDING
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**Improved Nitrile Polymer Vulcanizate and Process for the Production Thereof**

Inventor Campomizzi, Ezio

UNITED STATES	POS 1049 US	CEQ	03/03/1999	09/261,541	04/10/2001	6,214,922	ISSUED
UNITED STATES	POS 1049 US DIV	DIV	03/20/2001	09/813,195			PENDING

**Process for Hydrophobicizing Particles, and Their Use in Dispersions**

Inventor Koski, Ahti August; Johansson, Anders H.

UNITED STATES	POS 1053 US	NEW	11/20/1998	09/196,833	11/27/2001	6,323,260	ISSUED
UNITED STATES	POS 1053 US CPA	CON	11/20/1998	09/196,833			PENDING

**Improved Process for Preparation of Butyl Rubber Utilizing Activated Alkylaluminum Halides**

Inventor Gronowski, Adam

UNITED STATES	POS 1058 US	CEQ	10/21/1999	09/422,524	06/11/2002	6,403,747	ISSUED
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**Improved Cationic Polymerization Process and Catalyst System Therefor**

Inventor Ismaier, Juergen; Nuyken, Oscar

UNITED STATES	POS 1059 US PCT	DCA	12/30/1999	09/869,601			PENDING
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COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Halogenated Butyl Rubber Analogue.**

Inventor Osman, Akhtar

UNITED STATES	POS 1021 US	NEW	02/05/1993	08/014,295	08/30/1994	5,342,908	ISSUED
UNITED STATES	POS 1021 US CIP	CIP	03/15/1994	08/213,658	12/05/1995	5,473,029	ISSUED

**Halogenated Butyl Rubber Analogue.**

Inventor Osman, Akhtar

UNITED STATES	POS 1022 US	NEW	06/03/1993	08/072,195	12/13/1994	5,372,980	ISSUED
UNITED STATES	POS 1022 US DIV	DIV	08/30/1994	08/298,495	08/15/1995	5,442,020	ISSUED

**Purification of Hydrocarbon Streams.**

Inventor Ostrowicki, Andreas B.

UNITED STATES	POS 1023 US	NEW	11/24/1993	08/158,130	12/06/1994	5,371,313	ISSUED
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**Process for Cis-1,4 Polybutadiene Production with Reduced Gel Formation.**

Inventor Knauf, Thomas; Osman, Akhtar

UNITED STATES	POS 1025 US	NEW	11/09/1993	08/149,433	03/14/1995	5,397,851	ISSUED
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**A Process For Removing Iron- and Rhodium-Containing Catalyst Residues from Hydrogenated Nitrile Rubber.**

Inventor Nguyen, Paul; Bender, Harald; Arsenault, Gilles; Spadola, Ignazio; Mersmann, Franz

UNITED STATES	POS 1077 US	CEQ	02/11/2001	10/000,520	11/11/2003	6,846,059	ISSUED
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**Process for Polybutadiene Production Using Catalyst with High Activity.**

Inventor Knauf, Thomas; Osman, Akhtar

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*Process for Polybutadiene Production Using Catalyst with High Activity, continued . . .*

UNITED STATES	POS 1027 US	NEW	11/09/1993	08/150,659	06/27/1995	5,428,119	ISSUED
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**Improved Solution Polymer Recovery Process.**

Inventor Dallmeyer, Hermann

**Silica Filled Rubbery Vulcanizates.**

Inventor Urban, Paul; von Heilens, Carl Walter

UNITED STATES	POS 1029 US CON	CON	11/29/1995	08/564,835	12/02/1997	5,693,712	ISSUED
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**Butyl Rubber with a Bimodal Molecular Weight Distribution.**

Inventor Puskas, Judit E.; Kaszas, Gabor

UNITED STATES	POS 1018 US	NEW	07/15/1992	914,368	03/16/1993	5,194,538	ISSUED
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**Butyl Elastomeric Compositions.**

Inventor Kaszas, Gabor; Puskas, Judit E.

UNITED STATES	POS 1019 US	NEW	11/12/1992	974,552	01/04/1994	5,276,094	ISSUED
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**Process for the Manufacture of Functionalized Resins.**

Inventor Arsenault, Gilles

UNITED STATES	POS 1012 US	NEW	06/12/1992	897,737	07/13/1993	5,227,463	ISSUED
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**Catalytic Solution Hydrogenation of Nitrile Rubber.**

Inventor Rempel, Gary Llewellyn; McManus, Neil Thomas; Guo, Sharon X.

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*Catalytic Solution Hydrogenation of Nitrile Rubber, continued*

UNITED STATES	POS 1016 US	NEW	09/02/1992	939,239	11/02/1993	5,258,467	ISSUED
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**Catalytic Hydrogenation of Nitrile Rubber.**

Inventor Rempel, Garry Llewellyn; McManus, Neil Thomas; Guo, Sharon X.

UNITED STATES	POS 1015 US	NEW	09/02/1992	939,238	08/31/1993	5,241,013	ISSUED
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**Nitrile Rubber Hydrogenation.**

Inventor Rempel, Garry Llewellyn; Guo, Sharon X.

UNITED STATES	POS 1014 US	NEW	09/02/1992	939,245	05/04/1993	5,208,296	ISSUED
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**Hydrogenation of Nitrile Rubber.**

Inventor Rempel, Garry Llewellyn; Guo, Sharon X.

UNITED STATES	POS 1013 US	NEW	09/02/1992	939,179	05/11/1993	5,210,151	ISSUED
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**Amine Modified Hydrogenation of Nitrile Rubber.**

Inventor Rempel, Garry Llewellyn; McManus, Neil Thomas

UNITED STATES	POS 1001 US	NEW	12/13/1990	626,832	12/24/1991	5,075,388	ISSUED
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**Flow Characterization Apparatus and Process.**

Inventor Drona David

UNITED STATES	POS 1003 US	NEW	03/25/1991	674,156	09/08/1992	5,144,832	ISSUED
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**Polyisobutylene Based Block Copolymers.**

Inventor Osman, Akhtar

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*Polyisobutylene Based Block Copolymers. continued . . .*

UNITED STATES	POS 1004 US	NEW	04/17/1991	686,553	11/09/1993	5,260,383	ISSUED
UNITED STATES	POS 1004 US DIV	DIV	08/18/1993	108,862	11/08/1994	5,362,817	ISSUED

**HYDROGENATED NITRILE VULCANIZATES**

Inventor Rnwn Traur A

UNITED STATES	POS 1005 US	NEW	06/20/1991	718,179	05/04/1993	5,208,294	ISSUED
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**Halogenated Butyl Rubber Graft Copolymers.**

Inventor Ho, C.; Hopkins, William

UNITED STATES	POS 1006 US	NEW	05/15/1991	700,667	11/23/1993	5,264,494	ISSUED
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**Water Sampling Unit.**

Inventor Sawchuk, David

**Valve Opening Device.**

Inventor Campbell, George; Barron, J.

**Core Shell Polymer for Use in Tire Treads.**

Inventor Urban, Paul

UNITED STATES	POS 1009 US	NEW	11/04/1991	787,507	08/17/1993	5,237,015	ISSUED
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**An Improved Process for the Preparation of Butyl Rubber Utilizing Alkylaluminum Dihalides and Aluminoxanes.**

Inventor Gronowski, Adam

UNITED STATES	POS 1084 US	CEQ	12/19/2001	10/028,608	10/07/2003	6,630,553	ISSUED
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**Process for the Production of Hydrogenated Nitrile Rubber.**

Inventor Nguyen, Paul; von Hellens, Carl Walter

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*Process for the Production of Hydrogenated Nitrile Rubber. continued . . .*

UNITED STATES	POS 1088 US	CEQ	12/19/2001	10/027,735	08/05/2003	6,602,962	ISSUED
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**ESBO Enhanced Hydrogenation.**  
 Inventor Guo, Sharon X.; Nguyen, Paul

UNITED STATES	POS 1086 US	CEQ	12/19/2001	10/027,762	01/27/2004	6,683,136	ISSUED
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**Process for Making High Molecular Weight Isobutylene Polymers.**  
 Inventor Baird, Michael C.; Drewitt, Mark J.; Kumar, K. Rajesh

UNITED STATES	POS 1092 US PCT	DCA	07/21/2003	10/466,859			PENDING
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**Polymerization of Isobutylene.**  
 Inventor Baird, Michael C.

UNITED STATES	POS 1093 US	NEW	10/07/1994	319,708	09/05/1995	5,448,001	ISSUED
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**Articles For Dynamic Load Applications.**  
 Inventor Hannay, Judy; Bender, Harald

UNITED STATES	POS 1097 US	CEQ	02/26/2002	10/083,444	05/18/2004	6,737,461	ISSUED
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**Filled Elastomeric Compositions.**  
 Inventor Hopkins, William



COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*Filled Elastomeric Compositions. continued . . .*

UNITED STATES	POS 1098 US	CEQ	02/28/2002	10/086,000			PENDING
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**Filled Elastomeric Butyl Compounds.**

Inventor Hopkins, William; Resendes, R.

UNITED STATES	POS 1094 US	CEQ	02/28/2002	10/085,874			PENDING
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**Low Molecular Weight Hydrogenated Nitrile Rubber**

Inventor Guerin, Fred; Guo, Sharon X.; Szentivanvi, Zsolt

UNITED STATES	POS 1098 US	CEQ	06/10/2002	10/167,289	01/06/2004	6,673,881	ISSUED
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**Low Molecular Weight Nitrile Rubber**

Inventor Guerin, Fred; Guo, Sharon X.

**Covulcanisation Of Polymers**

Inventor von Hellens, Carl Walter

UNITED STATES	POS 1104 US	CEQ	07/15/2002	10/197,299			PENDING
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**Process For The Metathesis Of Functionalized Polymers**

Inventor Guerin, Fred; Guo, Sharon X.

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*Process For The Metathesis Of Functionalized Polymers continued . . .*

UNITED STATES	POS 1100 US	CEQ	06/10/2002	10/167,139			PENDING
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**Process For The Preparation Of Low Molecular Weight Hydrogenated Nitrile Rubber**

Inventor Guerin, Fred; Guo, Sharon X.

UNITED STATES	POS 1101 US	CEQ	06/10/2002	10/167,262			PENDING
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**Heat And Oil Resistant Polymer Blends**

Inventor Ferrari, Lorenzo

UNITED STATES	POS 1105 USA	CEQ	09/04/2002	10/234,684			PENDING
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**Elastomeric Compositions**

Inventor von Hellens, Carl Walter; Guo, Sharon X.; Dato, John

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
<i>Elastomeric Compositions continued . . .</i>							
UNITED STATES	POS 1107 US	CEQ	09/04/2002	10/234,593			PENDING

**PROCESS FOR CROSSLINKING CARBOXYLATED NITRILE RUBBER, HYDROGENATING CARBOXYLATED NITRILE RUBBER, THE CROSSLINKED RUBBER AND ITS' USES**

Inventor Gamlin, Janet; Guo, Sharon X.

UNITED STATES	POS 1108 US	CEQ	10/08/2002	10/266,722			PENDING
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**Transition Metal-Free Initiator For The Preparation Of Isobutylene-Based Polymers**

Inventor Baird, Michael C.; Kumar, K. Rajesh; Drewitt, Mark J.; Tse, Calvin

**Incorporation Of Pre-Plasticized Fibre Into Polymers**

Inventor Edwards, D.; Crossman, J.

**Sulfur Vulcanizable Polymer Compositions**

Inventor Dunn, J.

UNITED STATES	POS 7223 US	NEW	10/24/1983	544,650		831,024	ISSUED
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**Resin Cure**

Inventor Ridland, J.

UNITED STATES	POS 7278 US	NEW	12/01/1986	936,389		4,774,288	ISSUED
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**Halogenated-Hydrogenated Nitride Rubber**

Inventor Arsenault, Gilles

UNITED STATES	POS 7315 US	NEW	09/16/1988	245,323		4,925,900	ISSUED
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COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Adducts Of An Aminoalcohol And A Nitrile Rubber**

Inventor Fulton, J.; Edwards, P.

UNITED STATES	POS 7320 US	NEW	12/30/1988	291,964		4,879,352	ISSUED
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**Fibre Reinforced Belt**

Inventor Brown, Trevor A.

UNITED STATES	POS 7342 US	NEW	10/13/1989	421,097	09/24/1991	5,051,299	ISSUED
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**Zinc Peroxide Process**

Inventor Kim, C.; Koski, Ahti August

**Coagulation Of Carboxylated SBR**

Inventor Sato, K.

**Ozonolysis Of Rubbers While Under Shear**

Inventor Edwards, D.

**Rubbery Blends Of Nylon And X-NBR Containing Additives**

Inventor Sato, K.

**Thermoplastic blends Of Nylon And X-NBR Containing Additives**

Inventor Sato, K.

**HNBR/Nylon Blend**

Inventor Plaumann, H.

UNITED STATES	POS 7312 US	NEW	10/13/1988	257,059			PENDING
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**Polymer Hydrogenation Process Without Using Added Ligand Compound**

Inventor Rempel, Gary Llewellyn; Azlzian, H.

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Fibre Containing Polymers And Process For Production Thereof**

Inventor Edwards, D.; Crossman, J.

**HNBR Residue Removal Process**

Inventor Ahlberg, D.; Padliya, Dilipkumar; Reed, J.

UNITED STATES	POS 7303 US	NEW	06/13/1988	205,813		4,857,632	ISSUED
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**Method To Treat Rhodium-Containing Solutions**

Inventor Osman, Akhtar; Bradford, W.

UNITED STATES	POS 7310 US	NEW	08/01/1988	226,883		4,944,926	ISSUED
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**Polymer Treatment Process**

Inventor Bradford, W.; Arsenault, Gilles; Marshall, A.J.

UNITED STATES	POS 7332 US	NEW	11/20/1989	438,037		4,985,540	ISSUED
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**Plasticized HNBR**

Inventor Wiseman, W.

UNITED STATES	POS 7348 US	NEW	02/01/1990	473,437			PENDING
UNITED STATES	POS 7348 US clp	CIP	10/05/1990	593,743		5,068,275	ISSUED

**Use Of Lead Compounds To Vulcanize Carboxylated Nitrile Rubber**

Inventor Blackshaw, G.

UNITED STATES	POS 7250 US	NEW	06/25/1984	624,210			PENDING
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**Nitrile Rubber/Vinyl Chloride Polymer/Silica Compositions**

Inventor Ayub, A.; Schwarz, H.

UNITED STATES	POS 7333 US	NEW	06/07/1989	362,562		4,956,398	ISSUED
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**Chemica/Steam Stripping**

Inventor Taylor, M.

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Heterogeneous Polymers**

Inventor Dequatre, C.							
UNITED STATES	POS 7243 US	CEQ	05/23/1986	866,487		4,855,337	ISSUED

**Improved Tire Sidewall Compositions**

Inventor von Hellens, Carl Walter; Mohammed, S.; Hallman, R.

**Polymer-Asphalt Mixing Process**

Inventor Sequin, F.; Longuet, M.

**Chlorinated EPDM With Superior Stability**

Inventor Davis, Stephen; Fulton, J.; Hoang, P.							
UNITED STATES	POS 7345 US div	DIV	07/19/1990	554,435		5,045,603	ISSUED

**Vibration And Noise Insulating Rubber Compositions**

Inventor Sato, K.; Liu, R.; Cheung, S.

**Improved Rubber Compositions**

Inventor Cheung, S.; Steevensz, Richard							
UNITED STATES	POS 7297 US	NEW	12/28/1987	137,979		4,779,657	ISSUED

**Measurement Of Unsaturation Level In Butyl And EPDM Rubbers**

Inventor Loucks, D.							
UNITED STATES	POS 7330 US	NEW	06/06/1989	362,335		4,983,528	ISSUED

**Degradation Of Butyl Rubber In An Extruder In The Presence Of Air**

Inventor Edwards, D.; Padilya, Dilipkumar

**Polymerization Process And Catalyst System Therefor**

Inventor Mishra, M.; Osman, Akhtar

**Pneumatic Tire And Inner Liner Therefor Having Puncture Sealing Characteristics**

Inventor Mohammed, S.; Timar, J.; Walker, J.							
UNITED STATES	POS 7220 US	NEW	09/07/1982	415,468			PENDING

**Pneumatic Tire Inner Liner Having Puncture Sealing Characteristics**

Inventor Timar, J.; Mohammed, S.; Walker, J.

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Pneumatic Tire Inner Liner Having Puncture Sealing Characteristics**

Inventor Timar, J.; Mohammed, S.; Walker, J.

**Kevlar Fibre Reinforced Polymers**

Inventor Odar, J.

**Halobutyl Elastomeric Compositions**

Inventor Mohammed, S.

UNITED STATES	POS 7286 US	NEW	06/23/1987	065,568	4,454,793	ISSUED
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**Filled Elastomeric Butyl Compounds With Improved Scorch Safety**

Inventor Resendes, R.; Hopkins, William

UNITED STATES	POS 1109 US	CEQ	11/21/2002	10/301,167		PENDING
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**Linerless Roll Of Self Fusing Tape**

Inventor Sato, K.

UNITED STATES	POS 7329 US	NEW	06/07/1989	362,563	4,925,715	ISSUED
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**Film Sealing Apparatus**

Inventor Mrowiec, K.

**Thermoset Resin Compositions**

Inventor Cassola, A.; Kwok, J.; Robinson, K.; Smith, B.; Longuet, M.

**Biox Degradation Of Surfactants**

Inventor Sawchuk, David; Olsen, R.

**Microbial Catabolism Of Tertiary Butyl Alcohol**

Inventor Insell, J.

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Heat Exchanger Leak Detection**

Inventor Challfoux, R.; Kozachuk, J.

**Novel Ion Exchange Resin**

Inventor Arsenauff, Gilles

UNITED STATES	POS 7348 US cip	CIP	10/05/1990	593,008		5,118,716	ISSUED
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**Silica-Filled Elastomeric Compounds**

Inventor Resendes, R.

UNITED STATES	POS 1110 US	CEQ	01/13/2003	10/341,218	03/16/2004	6,706,804	ISSUED
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**Process For Preparing Isobutylene-Based Polymers**

Inventor Bochmann, Manfred; Schormann, Mark; Garratt, Shaun

UNITED STATES	POS 1115 US PCT	DCA					PROPOSED
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**Improved Nitrile Polymer Vulcanizate And Process For The Production Thereof**

Inventor Guerin, Fred; Hannay, Judy; Campomizzi, Ezio; Bender, Harald

UNITED STATES	POS 1113 US	CEQ	01/28/2003	10/352,659			PENDING
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COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Spectroscopic Method To Assess The Activity Of The Catalyst For Manufacturing Butyl Rubber**

Inventor Gronowski, Adam

**Method For Controlling Water Content In Methyl Chloride**

Inventor Gronowski, Adam

**Rubber Composition For Tire Treads**

Inventor Hopkins, William; Kaszas, Gabor

UNITED STATES	POS 1106 US	CEQ	04/22/2003	10/420,201			PENDING
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**Silica Filled Elastomeric Compounds**

Inventor Resendes, R.; Hopkins, William; Rausa, John

UNITED STATES	POS 1117 US	CEQ	05/09/2003	10/434,863			PENDING
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**Halogen- And Sulfur-Free Shaped Articles Comprising Peroxide Curable Compounds Of Butyl Rubber**

Inventor Gronowski, Adam; Bhattacharjee, Susmita; Kaszas, Gabor

UNITED STATES	POS 1125 US	CEQ	05/13/2003	10/438,616			PENDING
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COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**Rubber Compound For A Vibration Dampening Device**

Inventor Gronowski, Adam; Bhattacharjee, Susmita; Kaszas, Gabor

UNITED STATES	POS 1126 US	CEQ	05/13/2003	10/436,558			PENDING
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**PROCESS FOR PRODUCING LONG CHAIN BRANCHED POLYMERS OF ISOBUTENE, ISOPRENE AND ALLYL HALIDES**

Inventor Gronowski, Adam; Glander, Stephan; Schaefer, Marcus; Nuyken, Oskar; Langstein,

**METHOD FOR IMPROVING THE PROCESSABILITY OF BUTYL POLYMERS**

Inventor Kaszas, Gabor

UNITED STATES	POS 1118 US	CEQ	06/24/2003	10/602,935			PENDING
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**PROCESS FOR DECOLORIZING DIENE POLYMERS**

Inventor Osman, Akhtar; Crockett, Treena

**PEROXIDE CURABLE COMPOUNDS BASED ON BUTYL-LIKE POLYMER WITHOUT CONJUGATED ALIPHATIC DIENES IN ITS COMPOSITION**

Inventor Gronowski, Adam; Osman, Akhtar; Glander, Stephan

UNITED STATES	POS 1132 US	CEQ	10/01/2003	10/676,916			PENDING
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**ADHESIVE COMPOUNDS OF BUTYL-TYPE RUBBER**

Inventor Gronowski, Adam; Glander, Stephan

**FILLED ELASTOMERIC BUTYL COMPOUNDS**

Inventor Pazur, Richard

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**FILLED ELASTOMERIC BUTYL COMPOUNDS continued . . .**

UNITED STATES	POS 1134 US	CEQ	10/06/2003	10/679,610			PENDING
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**HYDROGENATED NITRILE RUBBER COMPOSITES WITH IMPROVED PROCESABILITY**

Inventor Guerin, Fred; Campomizzi, Ezio; Ferrari, Lorenzo; Gamlin, Janet; Pazur, Richard; von Hellens, Carl Walter

UNITED STATES	POS 1114 US	CEQ	10/14/2003	10/684,601			PENDING
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**POLYMER COMPOSITES COMPRISING LOW MOLECULAR WEIGHT NITRILE RUBBER**

Inventor Guerin, Fred

UNITED STATES	POS 1127 US	CEQ	10/14/2003	10/684,867			PENDING
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**POLYMER BLENDS COMPRISING LOW MOLECULAR WEIGHT NITRILE RUBBER**

Inventor Ong, Christopher M.; Guerin, Fred

UNITED STATES	POS 1131 US	CEQ	10/14/2003	10/685,232			PENDING
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**PROCESS FOR THE PREPARATION OF ISOOLEFIN POLYMERS WITH CONTROLLED FREE-RADICAL CURABILITY**

Inventor Syme, Dave; Gronowski, Adam; Kaszas, Gabor; Watson, Kenneth Norman

UNITED STATES	POS 1122 US	CEQ	10/21/2003	10/690,205			PENDING
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**PROCESS FOR PRODUCTION OF HIGH-ISOPRENE BUTYL RUBBER**

Inventor Resendes, R.; App, William E.; Langstein, Gerhard; Bohnenpoll, Martin; Kaszas, Gabor; Glander, Stephan; Casper, Rudolf

UNITED STATES	POS 1121 US	CEQ		10/726,455			PENDING
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**ADHESIVE COMPOSITIONS**

Inventor Guerin, Fred; Guo, Sharon X.

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*ADHESIVE COMPOSITIONS continued . . .*

UNITED STATES	POS 1136 US	CEQ	12/03/2003	10/726,379			PENDING
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**PROCESS FOR THE PREPARATION OF LOW MOLECULAR WEIGHT HYDROGENATED NITRILE RUBBER**

Inventor Ong, Christopher M.; Guerin, Fred; Guo, Sharon X.

UNITED STATES	POS 1137 US	CEQ	12/04/2003	10/728,029			PENDING
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**Silica-Filled elastomeric compounds**

Inventor Resendes, R.; Odegaard, Shayna

UNITED STATES	POS 1135 US	CEQ					PROPOSED
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**PROCESS FOR PRODUCTION OF HIGH-ISOPRENE BUTYL RUBBER**

Inventor Resendes, R.; Kaszas, Gabor; Drewitt, Mark J.; Glander, Stephan; Langstein, Gerhard; Bohnenpoll, Martin

UNITED STATES	POS 1138 US	CEQ					PROPOSED
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**RUBBER COMPOUND COMPRISING NITRILE RUBBERS**

Inventor Pazur, Richard

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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*RUBBER COMPOUND COMPRISING NITRILE RUBBERS continued . . .*

UNITED STATES	POS 1139 US	CEQ					PROPOSED
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**POLYMER BLENDS COMPRISING NITRILE RUBBER**

Inventor Pazur, Richard; Ferrari, Lorenzo; von Hellens, Carl Walter; Campomizzi, Ezio

**NITRILE COMPOSITIONS**

Inventor Guerin, Fred; von Hellens, Carl Walter; Guo, Sharon X.

**HNBR COMPOUNDS HAVING AN IMPROVED FLOWABILITY**

Inventor Guerin, Fred

UNITED STATES	POS 1130 US	CEQ					PROPOSED
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**METHOD FOR IMPROVING REVERSION RESISTANCE**

Inventor Gronowski, Adam; Osman, Akhtar; Glander, Stephan

UNITED STATES	POS 1142 US	CEQ					PROPOSED
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**NITRILE POLYMER COMPOUNDS FOR MAGNETIC SEAL APPLICATIONS**

Inventor Pazur, Richard; Ferrari, Lorenzo

UNITED STATES	POS 1147 US	CEQ					PROPOSED
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**BUTYL COMPOSITIONS COMPRISING NITRILE POLYMERS**

Inventor von Hellens, Carl Walter; Guo, Sharon X.; Guerin, Fred

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**BUTYL COMPOSITIONS COMPRISING NITRILE POLYMERS** continued...

UNITED STATES	POS 1143 US	CEQ					PROPOSED
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**PEROXIDE CURABLE BUTYL FORMULATIONS**

Inventor Resendes, R.; Gronowski, Adam

UNITED STATES	POS 1149 US	CEQ					PROPOSED
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**PROCESS FOR PRODUCTION OF BUTYL RUBBER**

Inventor Bochmann, Manfred; Garratt, Shaun

UNITED STATES	POS 1146 US	CEQ					PROPOSED
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**SILICA-FILLED ELASTOMERIC COMPOUNDS**

Inventor Resendes, R.; Braubach, Wilfried

**BUTYL-TYPE RUBBER WITH HIGH VISCOSITY**

Inventor Gronowski, Adam; Osman, Akhtar

**RUBBER COMPOSITION FOR TIRE TREADS**

Inventor Pazur, Richard

**BUTYL RUBBER COMPOSITION FOR TIRE TREADS**

Inventor Kulbaba, Kevin; Resendes, R.; von Hellens, Carl Walter

**METHOD AND APPARATUS FOR CONTROLLING A POLYMERIZATION REACTION**

Inventor Sadek, Ahmed

**PROCESS OF THE PREPARATION OF LOW MOLECULAR WEIGHT HYDROGENATED NITRILE RUBBER**

Inventor Guerin, Fred

**ISOOLEFIN-DIOLEFIN PRODUCTION PROCESS AND APPARATUS THEREFOR**

Inventor Guerin, Fred; Mick, Hans-Juergen

COUNTRY	REFERENCE#	TYPE	FILED	SERIAL#	ISSUED	PATENT#	STATUS
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**PEROXIDE CURABLE BUTYL FORMULATIONS CONTAINING HIGH-ISOPRENE BUTYL RUBBER**

Inventor Resendes, R.; Baba, Shunji; Seow, Yong Slak; Gronowski, Adam

**CROSSLINKING OF CARBOXYLATED NITRILE POLYMERS USING COMPOUNDS WITH AT LEAST TWO EPOXY GROUPS**

Inventor Guerin, Fred; von Hellens, Carl Walter

**CURABLE PLASTICIZER COMPOSITION**

Inventor Guerin, Fred; von Hellens, Carl Walter; Nasreddine, Victor

**ROOM TEMPERATURE CURING SYSTEM**

Inventor Guerin, Fred; Guo, Sharon X.

**PROCESS FOR THE PREPARATION OF LOW MOLECULAR WEIGHT NITRILE RUBBER**

Inventor Guerin, Fred

**BUTYL-TYPE RUBBER WITH HIGH HARDNESS**

Inventor Gronowski, Adam; Osman, Akhtar

**PEROXIDE CURABLE BUTYL FORMULATIONS**

Inventor Resendes, R.; Gronowski, Adam

**PROCESS TO PRODUCE SILICA-FILLED ELASTOMERIC COMPOUNDS**

Inventor Parent John Scott; Whitnev Ralph Allen; Liskova Andrea; Resendes R

UNITED STATES	POS 1184 US	CEQ 04/29/2004	n/a	PENDING
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**SILICA REINFORCED ELASTOMER COMPOUNDS PREPARED WITH DRY LIQUID MODIFIERS**

Inventor Resendes, R.; Odegaard, Shayna; Weldenhaupt, Hermann-Josef; Brain, Philip

**ELASTOMERIC COMPOSITIONS HAVING IMPROVED MECHANICAL PROPERTIES AND SCORCH RESISTANCE**

Inventor Pazur, Richard; Ferrari, Lorenzo

END OF REPORT

TOTAL ITEMS SELECTED = 1005

**Bayer Inc.****(Schedule B)****Invention Disclosures**

<u>Title</u>	<u>Inventors</u>	<u>Internal Case Number</u>	<u>Status</u>
Solution Blends of Hydrogenated Carboxylated Nitrile Rubber with other Elastomers	Carl Walter von Hellens, Sharon X. Guo	POS 1140	Pending First Filing
The Use of BR Gels in High Durometer Compounds Containing Metal Salts of Unsaturated Carboxylic Acids (C3-C8)	Judy Hannay, Werner Obrecht, Harald Bender	POS 1166	Pending First Filing
Solventless Liquid EVM Compound Provides a Material With a Low Compound Mooney Viscosity Suitable For Liquid Injection Applications	Richard Pazur, Lorenzo Ferrari	POS 1167	Pending First Filing
Peroxide Curable Butyl Rubber Composition	Adam Gronowski, Yong Siak Seow, Shunji Baba, Rui Resendes	POS 1168	Pending First Filing
A Modified Filler And a Rubber Composition Having a Component Thereof	Adam Gronowski, Rui Resendes, Phil Brain	POS 1169	Pending First Filing
Peroxide Curable Butyl Formulations For Rubber Articles	Akhtar Osman, Adam Gronowski	POS 1170	Pending First Filing