

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)
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03-23-2004



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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Milacron Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☒ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 3/12/04

2. Name and address of receiving party(ies)

Credit Suisse First Boston, acting through
Name: its Cayman Islands Branch, as Collateral Agent

Internal Address: 2nd Floor

Street Address: One Madison

City: New York State: NY Zip: 10010

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) See continuation
of item 4 attached hereto

B. Patent No.(s) See continuation
of item 4 attached hereto

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Linda R. Kastner

Internal Address: c/o Latham & Watkins LLP

Suite 5800, Sears Tower

Street Address: 233 S. Wacker Drive

City: Chicago State: IL Zip: 60606

6. Total number of applications and patents involved: 7

7. Total fee (37 CFR 3.41).....\$ 280.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

8024 / 100.00

DO NOT USE THIS SPACE

9. Signature.

Linda R. Kastner

Name of Person Signing

Linda R. Kastner
Signature

3/19/04
Date

Total number of pages including cover sheet, attachments, and documents: 18

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

03/23/2004 6TON11 00000015 5362222

01 FC:8021
02 FC:8023

280.00 OP
120.00 OP

PATENT
REEL: 014438 FRAME: 0344

Continuation of Item 4

United States of America	4-AXIS VECTOR MTR DRIVE	5362222	11/8/1994	113627	8/31/1993	MI
United States of America	INSERT COMPACTING			09/056819	4/8/1998	MP
United States of America	PARALLEL DIG/ANAL CONTRL	5062052	10/29/1991	368570	6/20/1999	MI
United States of America	MULTI-MEDIA ENHANCED PROGRAM CONTROLLED MACHINE	6609038	8/19/2003	09/658888	9/11/2000	MI
United States of America	BOTTLE NECK FINISH	6312248	11/6/2001	09/755447	1/5/2001	MI
United States of America	NEW DISTRIBUTIVE MIXING ELEMENT FOR EXTRUSION AND INJECTION MOLDING	6547431	4/15/2003	09/710109	11/9/2000	MI
United States of America	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS			09/980508	11/2/2001	MI

ASSIGNMENT FOR SECURITY

PATENTS

WHEREAS, Milacron Inc. (the "Assignor") holds all right, title and interest in the letter patents, design patents and utility patents listed on the annexed Schedule 1A, which patents are issued or applied for in the United States Patent and Trademark Office (the "Patents");

WHEREAS, the Assignor has entered into a Security Agreement, dated March 12, 2004 (as amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"), in favor of Credit Suisse First Boston, as collateral agent for certain lenders (in such capacity, together with any permitted successors and assigns, the "Assignee");

WHEREAS, pursuant to the Security Agreement, the Assignor has assigned to the Assignee and granted to the Assignee for the benefit of the lenders a continuing security interest in all right, title and interest of the Assignor in, to and under the Patents and the applications and registrations thereof, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement thereof and any and all damages arising from past, present and future violations thereof (the "Collateral"), to secure the payment, performance and observance of the Obligations (as defined in the Security Agreement);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby pledges and assigns to the Assignee and grants to the Assignee, for the benefit of the Agents and the Lenders (as such terms are defined in the Security Agreement), a continuing security interest in the Collateral to secure the prompt payment, performance and observance of the Obligations.

The Assignor does hereby further acknowledge and affirm that the rights and remedies of the Assignee with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be duly executed by its officer thereunto duly authorized as of March 12, 2004.

MILACRON INC.

By:

A handwritten signature in black ink, appearing to read "R. P. Lienesch", is written over a solid horizontal line.

Name: R. P. Lienesch

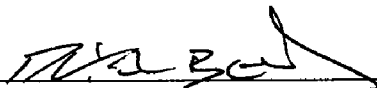
Title: Vice President – Finance and
Chief Financial Officer

STATE OF N.Y.

ss.:

COUNTY OF N.Y.

On this 11 day of March, 2004, before me personally came
R.P. HONER, to me known to be the person who executed the foregoing instrument, and
who, being duly sworn by me, did depose and say that s/he is the VICE PRESIDENT of
Milacron Inc., a Delaware corporation, and that s/he executed the foregoing instrument in the
firm name of Milacron Inc., and that s/he had authority to
sign the same, and s/he acknowledged to me that he executed the same as the act and deed of
said firm for the uses and purposes therein mentioned.



DANIEL M. BLOCH
NOTARY PUBLIC, State of New York
No. 01BL6097911
Qualified in New York County
Commission Expires Sept. 2, 2007

SCHEDULE 1A TO ASSIGNMENT FOR SECURITY

**Patent and Patent Applications
Owned by Milacron Inc.**

Milacron Inc. (MI) Patents

Patents

Owner Milacron Inc. (MI)

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
Australia	FLUID W/ SULFURIZED LUBR	671211	12/3/1996	64628/94	6/8/1994	MI
Australia	MONOISOPRO/AMINE	682566	1/29/1998	13388/95	12/12/1994	MI
Australia	AQUEOUS METALWORKING FLUID	696771	1/7/1999	66472/96	7/12/1996	MI
Australia	METALWORKING FLUID			2001283441	8/17/2001	MI
Austria	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	7/19/1994	MI
Belgium	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
Brazil	FLUID W/ SULFURIZED LUBR	P19404172-5	9/19/2000	P19404172-5	10/20/1994	MI
Brazil	MONOISOPRO/AMINE			P19405767-2	12/12/1994	MI
Brazil	AQUEOUS METALWORKING FLUID			P19606678-4	7/12/1996	MI
Brazil	METALWORKING FLUID			P10109630-3	8/17/2001	MI
Canada	AMIDE CORROSION INHIBIT	1203527	4/22/1986	395207	6/22/1983	MI
Canada	POLYAMIDE+ITS SALTS FLUID	1220484	4/14/1987	398669	3/17/1982	MI
Canada	TITRATION APPARATUS	2134070	5/15/1999	2134070	6/1/1993	MI
Canada	FLUID W/ SULFURIZED LUBR	2127680	2/17/1998	2127680	7/8/1994	MI
Canada	MONOISOPRO/AMINE	2156609	7/13/1999	2156609	12/12/1994	MI
Canada	AQUEOUS METALWORKING FLUID	2204036	12/3/2002	2204036	7/12/1996	MI
Canada	DETERMINATION OF AQUEOUS FLUID SURFACTANT CONCENTRATION	2229446	12/3/2002	2229446	8/4/1997	MI
Canada	METHOD OF ANALYSIS FOR AQUEOUS FLUIDS	2237711	7/30/2002	2237711	9/25/1997	MI
Canada	CHARACTERIZATION OF FLUID MISTING	2272636	7/1/2003	2272636	10/29/1998	MI
Canada	METALWORKING FLUID			2397794	8/17/2001	MI
China	FLUID W/ SULFURIZED LUBR	94108478.7	6/26/1999	94108478.7	7/21/1994	MI
China	MONOISOPRO/AMINE	ZL94113287	10/2/1999	94113287	12/22/1994	MI
China	DETERMINATION OF AQUEOUS FLUID SURFACTANT CONCENTRATION			97191192.4	8/4/1997	MI
China	METHOD OF ANALYSIS FOR AQUEOUS FLUIDS			97192333.7	9/25/1997	MI
Denmark	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
European Patent Office	D-10 ZEOLITE WATER SOFT	254773	3/1/1989	86201266.3	7/18/1986	MI
European Patent Office	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI

PATENT

REEL: 014438 FRAME: 0350

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
European Patent Office	MONOISOPRO/AMINE	684980	5/31/2000	95904874.5	12/12/1994	MI
European Patent Office	METHOD OF ANALYSIS FOR AQUEOUS FLUIDS			97943577.3	9/25/1997	MI
European Patent Office	METALWORKING FLUID			1962246.3	8/17/2001	MI
France	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
France	MONOISOPRO/AMINE	684980	5/31/2000	95904874.5	12/12/1994	MI
Germany	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
Germany	MONOISOPRO/AMINE	684980	5/31/2000	95904874.5	12/12/1994	MI
Hong Kong	DETERMINATION OF AQUEOUS FLUID SURFACTANT CONCENTRATION			99100560.2	2/10/1999	MI
India	FLUID W/ SULFURIZED LUBR	181608	6/17/1994	461/CAL/94	6/17/1994	MI
India	MONOISOPRO/AMINE	182644	11/28/1994	992/CAL/94	11/28/1994	MI
India	METHOD OF ANALYSIS FOR AQUEOUS FLUIDS			651/CAL/98	9/25/1997	MI
Italy	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
Italy	MONOISOPRO/AMINE	684980	5/31/2000	95904874.5	12/12/1994	MI
Japan	FLUID W/ SULFURIZED LUBR			162206/94	7/14/1994	MI
Japan	MONOISOPRO/AMINE			517472/95	12/12/1994	MI
Korea, Republic of	SYSTEM MONITOR			701637/91	5/8/1990	MI
Korea, Republic of	TITRATION APPARATUS	265457	6/14/2000	704350/94	6/1/1993	MI
Korea, Republic of	FLUID W/ SULFURIZED LUBR	133100	12/16/1997	22185/94	9/3/1994	MI
Korea, Republic of	MONOISOPRO/AMINE	354981	9/18/2002	703540/95	12/12/1994	MI
Korea, Republic of	AQUEOUS METALWORKING FLUID	209444	4/21/1999	703713/97	7/12/1996	MI
Korea, Republic of	DETERMINATION OF AQUEOUS FLUID SURFACTANT CONCENTRATION	265458	6/14/2000	703221/98	8/4/1997	MI
Korea, Republic of	MACHINING FLUID COMPOSITION AND METHOD OF MACHINING	299648	6/11/2001	703743/98	8/4/1997	MI
Korea, Republic of	METHOD OF ANALYSIS FOR AQUEOUS FLUIDS	270060	7/27/2000	706351-98	9/25/1997	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
Korea, Republic of	CHARACTERIZATION OF FLUID MISTING	99-7005933	10/29/1998	MI		
Korea, Republic of	METALWORKING FLUID	7011624	8/17/2001	MI		
Luxembourg	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
Mexico	POLYAMIDE+ITS SALTS FLUID	159541	6/29/1989	193074	6/9/1982	MI
Mexico	FLUID W/ SULFURIZED LUBR	184563	4/29/1997	9406594	8/30/1994	MI
Mexico	MONOISOPRO/AMINE	193103	8/24/1999	9409728	12/15/1994	MI
Mexico	DETERMINATION OF AQUEOUS FLUID SURFACTANT CONCENTRATION	9803414	8/4/1997	MI		
Mexico	METHOD OF ANALYSIS FOR AQUEOUS FLUIDS	9806261	9/25/1997	MI		
Mexico	METALWORKING FLUID	02/08671	8/17/2001	MI		
Netherlands	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
Netherlands	MONOISOPRO/AMINE	684980	5/31/2000	95904874.5	12/12/1994	MI
New Zealand	FLUID W/ SULFURIZED LUBR	260556	1/9/1996	260556	5/19/1994	MI
New Zealand	MONOISOPRO/AMINE	277971	7/11/1997	277971	12/12/1994	MI
Norway	METHOD OF ANALYSIS FOR AQUEOUS FLUIDS	98/3712	9/25/1997	MI		
Patent Cooperation Treaty	METALWORKING FLUID	01/25855	8/17/2001	MI		
South Africa	FLUID W/ SULFURIZED LUBR	94/3732	4/26/1995	94/3732	5/27/1994	MI
South Africa	MONOISOPRO/AMINE	94/9904	10/25/1995	94/9904	12/13/1994	MI
Spain	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
Sweden	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
Sweden	MONOISOPRO/AMINE	684980	5/31/2000	95904874.5	12/12/1994	MI
Switzerland	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
United Kingdom	FLUID W/ SULFURIZED LUBR	656415	10/8/1997	94111265.8	6/19/1994	MI
United Kingdom	MONOISOPRO/AMINE	684980	5/31/2000	95904874.5	12/12/1994	MI
Australia	DC BRUSHLESS MOTOR IMM	629410	10/1/1992	64230/90	6/20/1990	MI
Australia	DC BRUSHLESS MOTOR IMM	431150	10/12/1994	90914289.5	6/20/1990	MI
Austria	4-AXIS VECTOR MTR DRIVE	715566	1/20/1999	94922485.1	7/6/1994	MI
Austria	MOTOR CURRENT CONTROL	804324	7/25/2001	95908754.8	1/31/1995	MI
Austria	MULTI-FUNCTION MOTOR	861148	12/19/2001	96933237.8	10/1/1996	MI
Belgium	MOTOR CURRENT CONTROL	804324	7/25/2001	95908754.8	1/31/1995	MI
Brazil	DC BRUSHLESS MOTOR IMM	PI9006821-1	12/29/1998	PI9006821-1	6/20/1990	MI
Brazil	4-AXIS VECTOR MTR DRIVE	PI9006821-1	12/29/1998	PI9407455-0	7/6/1994	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
Brazil	MULTI-FUNCTION MOTOR					
Brazil	HYBRID INJECTION MOLDING MACHINE			P19611594-7	10/1/1996	MI
Brazil	TWO STAGE ELECTRIC INJECTION UNIT WITH ROTATABLE PLUNGER			P19816039-7	9/30/1998	MI
				P19815669-1	9/30/1998	MI
Brazil	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS			P10010299-7	5/2/2000	MI
Canada	DC BRUSHLESS MOTOR IMM	2035020	3/2/1999	2035020	6/20/1990	MI
Canada	4-AXIS VECTOR MTR DRIVE	2168881	4/13/1999	2168881	7/6/1994	MI
Canada	MULTI-FUNCTION MOTOR	2235380	12/4/2001	2235380	10/1/1996	MI
Canada	HYBRID INJECTION MOLDING MACHINE			2345949	9/30/1998	MI
Canada	TWO STAGE ELECTRIC INJECTION UNIT WITH ROTATABLE PLUNGER			2321036	9/30/1998	MI
Canada	METHOD AND APPARATUS FOR VERIFYING THE POSITION OF A MOTOR DRIVER MACHINE ELEMENT			2249031	10/16/1998	MI
Canada	AXIS MOTION MONITOR			2249032	10/16/1998	MI
Canada	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS			2372533	5/2/2000	MI
China	4-AXIS VECTOR MTR DRIVE	94193166.8	2/5/2000	94193166.8	7/6/1994	MI
China	MULTI-FUNCTION MOTOR	96198398.1	10/10/2001	96198398.1	10/1/1996	MI
China	HYBRID INJECTION MOLDING MACHINE	98814336.4	4/16/2003	98814336.4	9/30/1998	MI
China	TWO STAGE ELECTRIC INJECTION UNIT WITH ROTATABLE PLUNGER	98813644.9	3/26/2003	98813644.9	9/30/1998	MI
China	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS			807073.3	5/2/2000	MI
European Patent Office	DC BRUSHLESS MOTOR IMM	431150	10/12/1994	90914289.5	6/20/1990	MI
European Patent Office	PLURAL MLD DRIV	500679	9/18/1996	90916874.2	11/5/1990	MI
European Patent Office	4-AXIS VECTOR MTR DRIVE	715566	1/20/1999	94922485.1	7/6/1994	MI
European Patent Office	COOLING ELECTRIC COMP	756809	7/1/1998	95909413.7	1/31/1995	MI
European Patent Office	MOTOR CURRENT CONTROL	804324	7/25/2001	95908754.8	1/31/1995	MI
European Patent Office	MULTI-FUNCTION MOTOR	861148	12/19/2001	96933237.8	10/1/1996	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
European Patent Office	HYBRID INJECTION MOLDING MACHINE			98949737.5	9/30/1998	MI
European Patent Office	TWO STAGE ELECTRIC INJECTION UNIT WITH ROTATABLE PLUNGER			98952037.4	9/30/1998	MI
European Patent Office	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS	1198335	7/30/2003	928793.9	5/2/2000	MI
France	4-AXIS VECTOR MTR DRIVE	715566	1/20/1999	94922485.1	7/6/1994	MI
France	COOLING ELECTRIC COMP	756809	7/1/1998	95909413.7	1/31/1995	MI
France	MOTOR CURRENT CONTROL	804324	7/25/2001	95908754.8	1/31/1995	MI
France	MULTI-FUNCTION MOTOR	861148	12/19/2001	96933237.8	10/1/1996	MI
Germany	DC BRUSHLESS MOTOR IMM	431150	10/12/1994	90914289.5	6/20/1990	MI
Germany	4-AXIS VECTOR MTR DRIVE	715566	1/20/1999	94922485.1	7/6/1994	MI
Germany	COOLING ELECTRIC COMP	756809	7/1/1998	95909413.7	1/31/1995	MI
Germany	MOTOR CURRENT CONTROL	804324	7/25/2001	95908754.8	1/31/1995	MI
Germany	MULTI-FUNCTION MOTOR	861148	12/19/2001	96933237.8	10/1/1996	MI
Germany	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS	1198335	7/30/2003	928793.9	5/2/2000	MI
India	MULTI-FUNCTION MOTOR			1838/CAL/96	10/18/1996	MI
India	HYBRID INJECTION MOLDING MACHINE			1776/CAL/98	10/7/1998	MI
India	TWO STAGE ELECTRIC INJECTION UNIT WITH ROTATABLE PLUNGER			1835/CAL/98	10/15/1998	MI
Italy	DC BRUSHLESS MOTOR IMM	431150	10/12/1994	90914289.5	6/20/1990	MI
Italy	4-AXIS VECTOR MTR DRIVE	715566	1/20/1999	94922485.1	7/6/1994	MI
Italy	MOTOR CURRENT CONTROL	804324	7/25/2001	95908754.8	1/31/1995	MI
Italy	MULTI-FUNCTION MOTOR	861148	12/19/2001	96933237.8	10/1/1996	MI
Italy	HYBRID INJECTION MOLDING MACHINE			98949737.5	9/30/1998	MI
Italy	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS	1198335	7/30/2003	928793.9	5/2/2000	MI
Japan	DC BRUSHLESS MOTOR IMM	2927949	5/14/1999	513356/90	6/20/1990	MI
Japan	4-AXIS VECTOR MTR DRIVE	3399532	2/21/2003	508097/95	7/6/1994	MI
Japan	COOLING ELECTRIC COMP			527620/95	1/31/1995	MI
Japan	MOTOR CURRENT CONTROL			528919/95	1/31/1995	MI
Japan	MULTI-FUNCTION MOTOR			519698/97	10/1/1996	MI
Japan	HYBRID INJECTION MOLDING MACHINE			572067	9/30/1998	MI
Japan	TWO STAGE ELECTRIC INJECTION UNIT WITH ROTATABLE PLUNGER			2000-531288	9/30/1998	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
Korea, Republic of	DC BRUSHLESS MOTOR IMM	168852	10/8/1998	700199/91	6/20/1990	MI
Korea, Republic of	MULTI-FUNCTION MOTOR	268358	7/12/2000	703713/97	10/1/1996	MI
Korea, Republic of	HYBRID INJECTION MOLDING MACHINE			7004090	9/30/1998	MI
Korea, Republic of	TWO STAGE ELECTRIC INJECTION UNIT WITH ROTATABLE PLUNGER			2000-7008966	9/30/1998	MI
Korea, Republic of	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS			2001-7012983	5/2/2000	MI
Mexico	DC BRUSHLESS MOTOR IMM	174413	5/13/1994	22714	10/5/1990	MI
Mexico	4-AXIS VECTOR MTR DRIVE	185204	7/2/1997	9406505	8/26/1994	MI
Mexico	HYBRID INJECTION MOLDING MACHINE			98/20765	9/30/1998	MI
Cooperation						
Treaty						
Patent	TWO STAGE ELECTRIC INJECTION UNIT WITH ROTATABLE PLUNGER			98/20784	9/30/1998	MI
Cooperation						
Treaty						
Patent	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS			00/12113	5/2/2000	MI
Cooperation						
Treaty						
Spain	DC BRUSHLESS MOTOR IMM	431150	10/12/1994	90914289.5	6/20/1990	MI
United Kingdom	DC BRUSHLESS MOTOR IMM	431150	10/12/1994	90914289.5	6/20/1990	MI
United Kingdom	4-AXIS VECTOR MTR DRIVE	715566	1/20/1999	94922485.1	7/6/1994	MI
United Kingdom	COOLING ELECTRIC COMP	756809	7/1/1998	95909413.7	1/31/1995	MI
United Kingdom	MOTOR CURRENT CONTROL	804324	7/25/2001	95908754.8	1/31/1995	MI
United Kingdom	MULTI-FUNCTION MOTOR	861148	12/19/2001	96933237.8	10/1/1996	MI
United Kingdom	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS	1198335	7/30/2003	928793.9	5/2/2000	MI
United States of America	4-AXIS VECTOR MTR DRIVE	5362222	11/8/1994	113627	8/31/1993	MI
Canada	SAFETY SCREEN FOR LASER	1225437	8/11/1987	476229	3/11/1985	MI
Canada	LASER SPOTWELDER	1235461	4/19/1988	480544	5/1/1985	MI
India	INSERT COMPACTING			99/00089	3/16/1999	MI
Mexico	INSERT COMPACTING			99/00089	3/16/1999	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
Patent Cooperation Treaty	INSERT COMPACTING			99/05756	3/16/1999	MI
United States of America	INSERT COMPACTING			09/056819	4/8/1998	MI
Austria	DC DRIVE-VAR VOL PUMP	464286	8/3/1994	90314225.5	12/14/1990	MI
Austria	MOVABLE PLATEN	566655	5/21/1997	92903999.8	1/10/1992	MI
Austria	MOLD PROTECT-TONAGE CON	590068	8/19/1998	92914491.3	6/16/1992	MI
Austria	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE	956187	10/2/2002	98923406.7	5/13/1998	MI
Belgium	MOLD PROTECT-TONAGE CON	590068	8/19/1998	92914491.3	6/16/1992	MI
Belgium	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE	956187	10/2/2002	98923406.7	5/13/1998	MI
Brazil	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE				5/13/1998	MI
Brazil	MULTI-MEDIA ENHANCED PROGRAM CONTROLLED MACHINE		PI0113797-2		9/11/2001	MI
Canada	MOLD CHAMBER FOR IMM	1228961	11/10/1987	481697	5/16/1985	MI
Canada	PRECISION COINING MACH	1277115	12/4/1990	543341	7/30/1987	MI
Canada	DC DRIVE-VAR VOL PUMP	2033646	7/18/1995	2033646	1/4/1991	MI
Canada	MOVABLE PLATEN	2099992	7/14/1998	2099992	1/10/1992	MI
Canada	MOLD PROTECT-TONAGE CON	2103061	4/13/1999	2103061	6/16/1992	MI
Canada	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE	2291239	7/15/2003	2291239	5/13/1998	MI
Canada	MULTI-MEDIA ENHANCED PROGRAM CONTROLLED MACHINE			2421784	9/11/2001	MI
Canada	CLOSED LOOP MIXTURE CO	1182885	2/19/1985	416164	11/23/1982	MI
China	DUAL MOTOR DRIVE SYSTEM FOR INJECTION MOLDING MACHINES	808450.5	9/17/2003	808450.5	4/10/2000	MI
European Patent Office	PRECISION COINING MACH	269204	1/15/1992	87307502.2	8/25/1987	MI
European Patent Office	DC DRIVE-VAR VOL PUMP	464286	8/3/1994	90314225.5	12/14/1990	MI
European Patent Office	OPEN LOOP TONNAGE CONT	536201	3/4/1998	91911550.1	5/17/1991	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
European Patent Office	MOVABLE PLATEN	566655	5/21/1997	92903999.8	1/10/1992	MI
European Patent Office	EJECT UNIT	566681	12/18/1996	92904589.6	1/10/1992	MI
European Patent Office	MOLD PROTECT-TONAGE CON	590068	8/19/1998	92914491.3	6/16/1992	MI
European Patent Office	IMM WITHOUT TIE BARS	797498	11/7/2001	95940893.1	12/1/1995	MI
European Patent Office	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE	956187	10/2/2002	98923406.7	5/13/1998	MI
European Patent Office	DUAL MOTOR DRIVE SYSTEM FOR INJECTION MOLDING MACHINES			921981.7	4/10/2000	MI
European Patent Office	MULTI-MEDIA ENHANCED PROGRAM CONTROLLED MACHINE			1966664.3	9/11/2001	MI
France	PRECISION COINING MACH	269204	1/15/1992	87307502.2	8/25/1987	MI
France	DC DRIVE-VAR VOL PUMP	464286	8/3/1994	90314225.5	12/14/1990	MI
France	MOLD PROTECT-TONAGE CON	590068	8/19/1998	92914491.3	6/16/1992	MI
France	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE	956187	10/2/2002	98923406.7	5/13/1998	MI
Germany	PRECISION COINING MACH	269204	1/15/1992	87307502.2	8/25/1987	MI
Germany	DC DRIVE-VAR VOL PUMP	464286	8/3/1994	90314225.5	12/14/1990	MI
Germany	MOVABLE PLATEN	566655	5/21/1997	92903999.8	1/10/1992	MI
Germany	MOLD PROTECT-TONAGE CON	590068	8/19/1998	92914491.3	6/16/1992	MI
Germany	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE	956187	10/2/2002	98923406.7	5/13/1998	MI
Italy	PRECISION COINING MACH	269204	1/15/1992	87307502.2	8/25/1987	MI
Italy	DC DRIVE-VAR VOL PUMP	464286	8/3/1994	90314225.5	12/14/1990	MI
Italy	MOLD PROTECT-TONAGE CON	590068	8/19/1998	92914491.3	6/16/1992	MI
Italy	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE	956187	10/2/2002	98923406.7	5/13/1998	MI
Japan	PRECISION COINING MACH	2548956	8/8/1996	264025/87	10/21/1987	MI
Japan	DC DRIVE-VAR VOL PUMP			4472/91	1/18/1991	MI
Japan	MOVABLE PLATEN	3283511	3/1/2002	504545/92	1/10/1992	MI
Japan	EJECT UNIT	3053430	4/7/2000	504544/92	1/10/1992	MI
Japan	IMM WITHOUT TIE BARS			519092/96	12/1/1995	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
Japan	DUAL MOTOR DRIVE SYSTEM FOR INJECTION MOLDING MACHINES			612115	4/10/2000	MI
Japan	HORIZONTAL TOGGLE IMM			263676/91	10/11/1991	MI
Korea, Republic of	MOVABLE PLATEN			702070/93	1/10/1992	MI
Korea, Republic of	EJECT UNIT			702074/93	1/10/1992	MI
Korea, Republic of	DUAL MOTOR DRIVE SYSTEM FOR INJECTION MOLDING MACHINES			7012963	4/10/2000	MI
Mexico	IMM WITHOUT TIE BARS	196836	6/6/2000	9704304	12/1/1995	MI
Mexico	MULTI-MEDIA ENHANCED PROGRAM CONTROLLED MACHINE			03/02087	9/11/2001	MI
Patent Cooperation	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE			98/09736	5/13/1998	MI
Treaty Patent Cooperation	DUAL MOTOR DRIVE SYSTEM FOR INJECTION MOLDING MACHINES			00/09505	4/10/2000	MI
Treaty Patent Cooperation	MULTI-MEDIA ENHANCED PROGRAM CONTROLLED MACHINE			01/28398	9/11/2001	MI
Treaty	PRECISION COINING MACH	269204	1/15/1992	87307502.2	8/25/1987	MI
United Kingdom	DC DRIVE-VAR VOL PUMP	464286	8/3/1994	90314225.5	12/14/1990	MI
United Kingdom	MOLD PROTECT-TONAGE CON	590068	8/19/1998	92914491.3	6/16/1992	MI
United Kingdom	RAM SUPPORT SKATE FOR AN INJECTION MOLDING MACHINE	956187	10/2/2002	98923406.7	5/13/1998	MI
Patent Cooperation	IMPROVED VITREOUS BOND			00/13236	5/12/00	MI
Treaty Patent Cooperation	PARALLEL DIG/ANAL CONTRL	5062052	10/29/1991	368570	6/20/1989	MI
United States of America	MULTI-MEDIA ENHANCED PROGRAM CONTROLLED MACHINE	6609038	8/19/2003	09/658888	9/11/2000	MI
Austria	ACCUMULATOR HEAD	600905	3/26/1997	92914976.3	7/2/1992	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
Austria	ELECTROMECHANICAL DRIVE ASSEMBLY FOR AN ACCUMULATOR HEAD	885108	9/13/2000	96925356.6	7/18/1996	MI
Austria	ADJUST EXTRUSION DIE	393808	12/27/1991	A2830/86	10/23/1986	MI
Austria	WALL THICKNESS CONTROL	680402	3/17/1999	A818/87	4/3/1987	MI
Austria	PREHEATING APPARATUS FOR AN EXTRUDER	923447	2/19/2003	94906712.8	1/21/1994	MI
Austria	METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS	923447	2/19/2003	97942382.9	8/22/1997	MI
Belgium	ELECTROMECHANICAL DRIVE ASSEMBLY FOR AN ACCUMULATOR HEAD	885108	9/13/2000	96925356.6	7/18/1996	MI
Belgium	METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS	923447	2/19/2003	97942382.9	8/22/1997	MI
Brazil	ELECTROMECHANICAL DRIVE ASSEMBLY FOR AN ACCUMULATOR HEAD			PI9610451-1	7/18/1996	MI
Brazil	METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS			PI9711277-1	8/22/1997	MI
Canada	BLOW MOLDING MACHINE	1109215	9/22/1981	314725	10/30/1978	MI
Canada	BLOW MOLDING MACHINE	1109217	9/22/1981	314723	10/30/1978	MI
Canada	BLOW MOLDING MACHINE	1124473	6/1/1982	314781	10/30/1978	MI
Canada	ACCUMULATOR HEAD			2109225	7/2/1992	MI
Canada	PREHEATING APPARATUS FOR AN EXTRUDER	2154459	6/18/2002	2154459	1/21/1994	MI
Canada	METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS			2264566	8/22/1997	MI
Canada	HIGH PRODUCTION MACHINE	1180522	1/8/1985	398772	3/18/1982	MI
Canada	DIELECTRIC HEATER CONT	1186113	4/30/1985	422927	4/27/1983	MI
European Patent Office	ACCUMULATOR HEAD	600905	3/26/1997	92914976.3	7/2/1992	MI
European Patent Office	ELECTROMECHANICAL DRIVE ASSEMBLY FOR AN ACCUMULATOR HEAD	885108	9/13/2000	96925356.6	7/18/1996	MI
European Patent Office	PREHEATING APPARATUS FOR AN EXTRUDER	680402	3/17/1999	94906712.8	1/21/1994	MI
European Patent Office	METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS	923447	2/19/2003	97942382.9	8/22/1997	MI
European Patent Office	CUTTING EQUIPMENT FOR EXTRUDED HOLLOW THERMOPLASTIC PROFILES	988941	3/29/2000	99118583.6	9/21/1999	MI
European Patent Office	TWIN SCREW EXTRUDER	983836	3/8/2000	99117028.3	8/30/1999	MI

Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
European Patent Office	CLOSED BARREL TEMPERING			2001461.9	1/21/2002	MI
European Patent Office	CLOSED BARREL			2001459.3	1/21/2002	MI
France	ACCUMULATOR HEAD ELECTROMECHANICAL DRIVE ASSEMBLY FOR AN ACCUMULATOR HEAD	600905 885108	3/26/1997 9/13/2000	92914976.3 96925356.6	7/21/1992 7/18/1996	MI MI
France	PREHEATING APPARATUS FOR AN EXTRUDER METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS	680402 923447	3/17/1999 2/19/2003	94906712.8 97942382.9	1/21/1994 8/22/1997	MI MI
France	EXTRUDED PROFILE PRODUCTION EQUIPMENT ACCUMULATOR HEAD	612604 600905	4/28/1999 3/26/1997	93890024 92914976.3	2/24/1993 7/21/1992	MI MI
Germany	ELECTROMECHANICAL DRIVE ASSEMBLY FOR AN ACCUMULATOR HEAD	885108	9/13/2000	96925356.6	7/18/1996	MI
Germany	PREHEATING APPARATUS FOR AN EXTRUDER METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS	680402 923447	3/17/1999 2/19/2003	94906712.8 97942382.9	1/21/1994 8/22/1997	MI MI
Germany	TWIN SCREW EXTRUDER MULTILAYER PLASTIC PIPE MULTILAYER PLASTIC PIPE PNEUMATIC OR HYDRAULIC GUILLOTINE TEMPERATURE CONTROL METHOD FOR PLASTICS EXTRUSION	19839374 19816790 29823984.1 29808312	3/2/2000 10/21/1999 4/27/2000 8/13/1998	1039374 1016790 29823984.1 98U2008312 29907213.4	8/30/1998 4/16/1998 4/16/1998 5/11/1998 4/24/1999	MI MI MI MI MI
Germany	DOUBLE SCREW EXTRUDER CLOSED BARREL TEMPERING CLOSED BARREL TEMPERING EXTRUDER FEEDING AREA ELECTROMECHANICAL DRIVE ASSEMBLY FOR AN ACCUMULATOR HEAD	19824303	12/9/1999	1024303 10102609.9 10102610.2 10151579 96925356.6	5/31/1998 1/21/2001 1/21/2001 10/23/2001 7/18/1996	MI MI MI MI MI
Italy	PREHEATING APPARATUS FOR AN EXTRUDER METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS	680402 923447	3/17/1999 2/19/2003	94906712.8 97942382.9	1/21/1994 8/22/1997	MI MI
Japan	ACCUMULATOR HEAD WALL THICKNESS CONTROL MASTER/SLAVE CONTROLLER	3217361	8/3/2001	502277/93 82854/88 144911/93	7/21/1992 4/4/1988 6/16/1993	MI MI MI

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Country	Short Title	Patent No.	Grant Date	Application No.	Date Filed	Owner
Korea, Republic of	BLOW MOLDING APPARATUS			5037/87	5/21/1987	MI
Mexico	METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS			99/01924	8/22/1997	MI
United Kingdom	ACCUMULATOR HEAD	600905	3/26/1997	92914976.3	7/2/1992	MI
United Kingdom	ELECTROMECHANICAL DRIVE ASSEMBLY FOR AN ACCUMULATOR HEAD	885108	9/13/2000	96925356.6	7/18/1996	MI
United Kingdom	PREHEATING APPARATUS FOR AN EXTRUDER METHOD FOR SIMULTANEOUS CONTROL OF MULTIPLE ACCUMULATORS	680402 923447	3/17/1999 2/19/2003	94906712.8 97942382.9	1/21/1994 8/22/1997	MI MI
United States of America	BOTTLE NECK FINISH	6312248	11/6/2001	09/755447	1/5/2001	MI
United States of America	NEW DISTRIBUTIVE MIXING ELEMENT FOR EXTRUSION AND INJECTION MOLDING	6547431	4/15/2003	09/710109	11/9/2000	MI
United States of America	ELECTRICALLY DRIVEN APPARATUS FOR EJECTING INJECTION MOLDED PARTS			09/980508	11/2/2001	MI

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RECORDED: 03/22/2004