

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved. #

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:
Deposit Account

Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Stephen D. Geimer

February 8, 1999

Name of Person Signing

Signature

Date

Attachment A**Patent Numbers**

4,668,148
4,668,158
4,679,474
4,693,701
4,699,607
4,702,731
4,735,602
4,758,214
4,850,781
5,000,725
5,000,727
5,094,656
5,127,549
5,161,793
5,197,727
5,230,688
5,292,299
5,318,237
5,337,968
5,350,928
5,388,746
5,417,638
5,447,486
5,570,878
5,588,644
5,695,106
5,733,236
5,738,618
5,779,180
5,785,794
5,792,306
5,813,586
5,830,117
R35,067

Applications Numbers

08/770,759
08/896,179

PATENT ASSIGNMENT

WHEREAS, FMC CORPORATION, a Delaware corporation having its principal place of business at Chicago, Illinois, (hereinafter called "FMC") is the sole and exclusive owner of the patents and patent applications identified in the attached Schedule A and all substitutes, divisions, continuations, continuations in part, reissues and re-examinations of the same (hereinafter collectively called the "Patents"); and

WHEREAS, FMC has entered into an Asset Purchase Agreement (the "Agreement") dated June 19, 1998 with FCE Holdings, Inc., a Delaware corporation (hereinafter called "FCE"), whereby FMC has agreed to sell and assign, and FCE has agreed to purchase and receive, the Patents;

NOW, THEREFORE, for the consideration recited in the Agreement, the receipt and sufficiency of which is hereby acknowledged, FMC agrees to, and does hereby, sell, assign, transfer, and set over unto The Hudson-Sharp machine company ("Hudson-Sharp"), a fully owned subsidiary of FCE, its successors and assigns, the full and exclusive right, title, and interest in and to the Patents, inclusive of any and all priority rights derived therefrom, together with all reissuances, continuations, divisions, reissues, extensions and reexaminations thereof, and the use of such Patents, and all extensions and renewals of the foregoing and all proceeds thereof, and of the right to sue and collect damages for past, present and future infringement thereof (other than with respect to German Patent No: P3153362.0-27), and of the inventions therein disclosed and all rights corresponding thereto throughout the world.

AND, FMC hereby agrees to execute or cause to be executed any and all further papers which may be necessary or desirable to enable Hudson-Sharp, its successors and assigns, to file and prosecute any substitutes, divisions, continuations, continuations in part, re-examinations and reissues of the Patents, and any and all applications for foreign Letters Patent on the inventions disclosed in the

SCHEDULE A
PATENT LISTING

SCHEDULE A
PATENT LISTING

PHMD-GREEN BAY
Date of Report: 06JL1998

Docket No.	Cltry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
09257	USA	G		160C1980	06/197423	02AU1983	4396379		160C2000
Title:THERMOPLASTIC BAG STACKING APPARATUS									
09257	CANA	G		150C1981	387970	01MY1984	1166659		01MY2001
Title:THERMOPLASTIC BAG STACKING APPARATUS									
09386	USA	G		230C1980	06/199804	07JE1983	4386924		230C2000
Title:HANDLE BAG MAKING APPARATUS									
09386	CANA	G		220C1981	388482	10JL1984	1170488		10JL2001
Title:HANDLE BAG MAKING APPARATUS									
09971	CANA	G		030C1984	464691	01SE1987	1226311		01SE2004
Title:IMPROVEMENTS IN STACKING THERMOPLASTIC									
10263	USA	G		27JE1985	06/749248	26MY1987	4668148	26NO1998	27JE2005
Title:SHEET STACKING AND TRANSFERRING DEVICE									
10263	USA	D A	G	22SE1986	06/909550	26MY1987	4668147	26NO1998	27JE2005
Title:SHEET STACKING AND TRANSFERRING DEVICE									
10263	USA	D B	G	22SE1986	06/909731	26MY1987	4668158	26NO1998	27JE2005
Title:SHEET STACKING AND TRANSFERRING DEVICE									
10263	BELG	G		26JE1986	216845	15JL1986	905009	30JE1998	26JE2006
Title:SHEET STACKING AND TRANSFERRING DEVICE									
10263	GERM	G		04AP1986	P3611369.7	09JE1994	3611369	30AP1999	04AP2006
Title:SHEET STACKING AND TRANSFERRING DEVICE									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
10263	ITAL	G		24JL1986	86-20893A	01MR1989	1204491	30JL1998	24JL2006
Title: SHEET STACKING AND TRANSFERRING DEVICE									
10263	JAPA	G		17MR1986	61-057196	08DE1995	1998510	01MR1999	17MR2006
Title: SHEET STACKING AND TRANSFERRING DEVICE									
10263	JAPA	D A	G	11SE1991	3-261094	31MY1996	2526104	31MY1999	17MR2006
Title: SHEET STACKING AND TRANSFERRING DEVICE									
10263	JAPA	D B	G	17MR1986	3-261093	27JA1995	1899250	06AP1999	17MR2006
Title: SHEET STACKING AND TRANSFERRING DEVICE									
10263	MEXI	G		27FE1986	001701	20AU1992	164490	27FE2001	27FE2006
Title: SHEET STACKING AND TRANSFERRING DEVICE									
10334	CANA	G		30SE1985	491836	08NO1988	1244496		08NO2005
Title: BAG STACKER AND INDEXING CONVEYOR CYCLE									
10500	GERM	F		09JA1990	P4000450.3			31JA1999	09JA2010
Title: PROCESS AND DEVICE FOR STACKING BAGS									
10505	USA	G		11JL1979	06/047275	30JL1981	4275977		11JL1999
Title: APPARATUS AND METHOD FOR INDIVIDUAL BAG									
10509	USA	G		04JL1979	06/045107	24FE1981	4252233		04JL1999
Title: PLASTIC BAG WICKETING PIN ADJUSTMENT									
10510	USA	G		12AP1979	06/029442	31MR1981	4259134		12AP1999
Title: POLYMER FILM SLITTER-SEALER APPARATUS									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
10843	USA	R R	G	19MR1993	08/037638	17OC1995	35067	19SE1998	19MR2011
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	USA		G	07NO1988	07/267866	19MR1991	5000725	19SE1998	07NO2008
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	ASTL		G	17OC1989	89-42976	26FE1993	629861	17OC1998	17OC2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	BELG		G	06NO1989	8901170	15OC1991	8901170	30NO1998	06NO2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	BRAZ		G	06NO1989	PI8905666	26JL1994	PI8905666-3	06NO1998	06NO2004
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	CANA		G	22SE1989	612620	04AU1992	1306038	04AU1998	04AU2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	FRAN		G	02NO1989	8914353	24DE1993	8914353	30NO1998	02NO2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	GBRI		G	25OC1989	8923992.5	24MR1993	2226894	25OC1998	25OC2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	GERM		F	07NO1989	P3937069.0		Owner:FMC	30NO1998	07NO2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	ITAL		G	07NO1989	89-22277A	25MR1993	1236661	30NO1998	07NO2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
10843	JAPA		G	200C1989	1-271924	25OC1995	1984147	25JAI1999	200C2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10843	SPAI		G	06NO1989	8903753	26AUI1991	2020816	06NO1998	06NO2009
Title:BI-DIRECTIONAL REGISTRATION OF SERVO									
10892	USA		G	10NO1988	07/269820	10MR1992	5094656	10SEI1999	10MR2009
Title:SERVO DRIVE BAG MACHINE									
10892	ASTL		G	06OC1989	89-42669	10NO1992	625694	06OC1998	06OC2009
Title:SERVO DRIVE BAG MACHINE									
10892	BELG		G	09NO1989	8901190	15OC1991	8901190	30NO1998	09NO2009
Title:SERVO DRIVE BAG MACHINE									
10892	BRAZ		G	10NO1989	PI8905741	30AUI1994	PI8905741-4	10NO1998	10NO2004
Title:SERVO DRIVE BAG MACHINE									
10892	CANA		G	28SE1989	614113	03MY1994	1329034	03MY1999	03MY2011
Title:SERVO DRIVE BAG MACHINE									
10892	FRAN		G	08NO1989	8914662	12MY1995	2638677	30NO1998	08NO2009
Title:SERVO DRIVE BAG MACHINE									
10892	GERM		F	10NO1989	P3937536.6			30NO1998	10NO2009
Title:SERVO DRIVE BAG MACHINE									
10892	ITAL		G	30OC1989	89-22193A	24MY1993	1237133	31OC1998	30OC2009
Title:SERVO DRIVE BAG MACHINE									
10892	JAPA		G	06NO1989	1-287641	25API1997	2632733	25AP2000	06NO2009
Title:SERVO DRIVE BAG MACHINE									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
10892	SPAI		G	08NO1989	8903791	05NO1990	2017325	08NO1998	08NO2009
Title:SERVO DRIVE BAG MACHINE									
10894	USA		G	14NO1988	07/270889	19MR1991	5000727	19SE1998	14NO2008
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									
10894	USA	P B	G	01NO1989	07/430677	27JUL1993	5230688	27JUL2001	27JUL2010
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									
10894	ASTL		G	06OC1989	89-42671	07MY1992	616804	06OC1998	06OC2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									
10894	BELG		G	09NO1989	8901191	15OC1991	8901191	30NO1998	09NO2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									
10894	BRAZ		G	10NO1989	PI8905742	26JUL1994	PI8905742-2	10NO1998	10NO2004
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									
10894	CANA		G	28SE1989	614114	23FE1993	1313789	23FE1999	23FE2010
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									
10894	FRAN	D A	G	08NO1989	9314284	21AP1995	9314284	30NO1998	08NO2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									
10894	FRAN		G	08NO1989	8914661	13MY1994	8914661	30NO1998	08NO2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									
10894	GBRI		G	09NO1989	8925315.7	24MR1993	2226427b	09NO1998	09NO2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
10894	GERW		F	10NO1989	P3937508.0			30NO1998	10NO2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE Owner:FMC Agent:BARB									
10894	ITAL		G	30OC1989	89-22195A	24MY1993	1237134	31OC1998	30OC2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE Owner:FMC Agent:BRVE									
10894	JAPA		G	06NO1989	1-287643	25AP1997	2632734	25AP2000	06NO2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE Owner:FMC Agent:YAMS									
10894	SPAI		G	08NO1989	8903794	26MR1991	2018943	08NO1998	08NO2009
Title:SERVO DRIVEN DRAW ROLL FOR BAG MACHINE Owner:FMC Agent:CLAR									
11197	USA		G	04OC1991	07/770811	14FE1995	5388746	14AU1998	14FE2012
Title:SEPARATOR/FOLDER BAG MACHINE Owner:FMC Agent:									
11197	ASTL		G	01NO1991	91-86972	09MR1995	657281	01NO1998	01NO2011
Title:SEPARATOR/FOLDER BAG MACHINE Owner:FMC Agent:CARTR									
11197	ASTL		G	01NO1991	94-59162	29MR1994	669779	01NO1998	01NO2011
Title:SEPARATOR/FOLDER BAG MACHINE Owner:FMC Agent:CARTR									
11197	ASTL		G	01NO1991	94-59160	29MR1994	670492	01NO1998	01NO2011
Title:SEPARATOR/FOLDER BAG MACHINE Owner:FMC Agent:CARTR									
11197	CANA		F	04NO1991	2054918-1			04NO1998	04NO2011
Title:SEPARATOR/FOLDER BAG MACHINE Owner:FMC Agent:SIMM									
11197	GBRI		G	07NO1991	9123642.2	17MY1995	2249543	07NO1998	07NO2011
Title:SEPARATOR/FOLDER BAG MACHINE Owner:FMC Agent:PHIL									

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Docket No.	ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11197	GBRI	D A	G	07NO1991	9412342.9	23MR1995	GB2278110 Owner:FMC	07NO1998	07NO2011 Agent:PHIL
Title:SEPARATOR/FOLDER BAG MACHINE									
11197	GBRI	D B	G	07NO1991	9412142.3	17MY1995	2277924 Owner:FMC	07NO1998	07NO2011 Agent:PHIL
Title:SEPARATOR/FOLDER BAG MACHINE									
11197	GERM		F	30OC1991	P4135786.8		Owner:FMC	31OC1998	30OC2011 Agent:BARB
Title:SEPARATOR/FOLDER BAG MACHINE									
11197	JAPA		G	05NO1991	3-317444	12SE1997	2694193 Owner:FMC	12SE2000	05NO2011 Agent:YAMS
Title:SEPARATOR/FOLDER BAG MACHINE									
11197	SPAI		G	08NO1991	9102482	23DE1996	2069453 Owner:FMC	08NO1998	08NO2011 Agent:CLAR
Title:SEPARATOR/FOLDER BAG MACHINE									
11221	USA	C D	G	21MR1995	08/409484	15NO1996	5570878 Owner:FMC	15MY2000	15NO2013 Agent:
Title:INTERLEAVING APPARATUS FOR ROLLED UP									
11221	USA	C F	G	04DE1995	08/566796	31DE1996	5588644 Owner:FMC	30JE2000	21MR2015 Agent:
Title:INTERLEAVING APPARATUS FOR ROLLED UP									
11221	USA	P A	G	14AU1991	07/744779	30MR1993	5197727 Owner:FMC	30SE2000	06FE2011 Agent:
Title:INTERLEAVING APPARATUS FOR ROLLED UP									
11221	USA		G	06FE1991	07/651676	10NO1992	5161793 Owner:FMC	10MY2000	06FE2011 Agent:
Title:INTERLEAVING APPARATUS FOR ROLLED UP									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11429	USA		G	080C1992	07/958214	07JSE1994	5318237	07DE2001	080C2012
TITLE: AIR HORN FOR WEB WINDING MACHINE									
11429	BELG		G	070C1993	9301054	06FE1996	09301054	310C1998	070C2013
TITLE: AIR HORN FOR WEB WINDING MACHINE									
11429	DENM		F	070C1993	1125/93			310C1998	070C2013
TITLE: AIR HORN FOR WEB WINDING MACHINE									
11429	GERM		F	080C1993	P4334394.5			310C1998	080C2013
TITLE: AIR HORN FOR WEB WINDING MACHINE									
11429	JAPA		G	30SE1993	5-268293	20NO1996	2554985	20NO1999	30SE2013
TITLE: AIR HORN FOR WEB WINDING MACHINE									
11464	USA		C C G	15MR1994	08/214066	23MY1995	5417638	23NO1998	25NO2012
TITLE: METHOD AND APPARATUS FOR MAINTAINING									
11464	USA		P B G	12NO1993	08/151439	05SE1995	5447486	05MR1999	25NO2012
TITLE: MAINTAINING PERFORATION PHASING									
11464	USA		P A G	26FE1993	08/023992	08MR1994	5292299	08SE2001	25NO2012
TITLE: METHOD AND APPARATUS FOR MAINTAINING									
11464	ASTL		G	09NO1993	669400	25SE1996	669400	09NO1998	09NO2013
TITLE: METHOD AND APPARATUS FOR MAINTAINING									
11464	BELG		G	23NO1993	9301291	13DE1994	9301291	30NO1998	23NO2013
TITLE: METHOD AND APPARATUS FOR MAINTAINING									

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Docket No.	Cltry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11464	BRAZ		F	24NO1993	PI9304817			24NO1998	24NO2008
TITLE:METHOD AND APPARATUS FOR MAINTAINING									
11464	CANA		G	24NO1993	2109910	18MR1997	2109910	24NO1998	24NO2013
TITLE:METHOD AND APPARATUS FOR MAINTAINING									
11464	FRAN		G	19NO1993	9313877	11AU1995	2698313	30NO1998	19NO2013
TITLE:METHOD AND APPARATUS FOR MAINTAINING									
11464	GBRI		G	16NO1993	9323575.2	31JL1996	2272982	16NO1998	16NO2013
TITLE:METHOD AND APPARATUS FOR MAINTAINING									
11464	GERW		F	25NO1993	P4340225.9			30NO1998	25NO2013
TITLE:METHOD AND APPARATUS FOR MAINTAINING									
11464	ITAL		G	24NO1993	MI93A002488	31OC1996	1265220	30NO1998	24NO2013
TITLE:METHOD AND APPARATUS FOR MAINTAINING									
11464	JAPA		G	19NO1993	5-312900	03OC1996	2565842	03OC1999	19NO2013
TITLE:METHOD AND APPARATUS FOR MAINTAINING									
11464	SPAI		G	24NO1993	9302463	26MY1998	N/A	24NO1998	24NO2013
TITLE:METHOD AND APPARATUS FOR MAINTAINING									
11469	USA		G	11FE1993	08/016340	27SE1994	5350928	27MR2002	11FE2013
TITLE:APPARATUS AND METHOD FOR DETECTING									
11823	USA		F A G	27JA1997	08/791014	09DE1997	5695106	09JE2001	22AU2015
TITLE:CORRECTION OF REGISTERED SERVO INDEXED									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11823	ASTL	F		22AU1996	64226/96			22AU1999	
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	BELG	E	D		96113476.4				
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	BRUZ	F		22AU1996	PI9603516-1			22AU1998	
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	CANA	F		22AU1996	2183924			22AU1998	
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	DENM	E	D		96113476.4				
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	EPC	F		22AU1996	96113476.4			31AU1998	
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	FRAN	E	D		96113476.4				
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	GBRI	E	D		96113476.4				
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	GERM	E	D		96113476.4				
Title: CORRECTION OF REGISTERED SERVO INDEXED									
11823	ITAL	E	D		96113476.4				
Title: CORRECTION OF REGISTERED SERVO INDEXED									

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Docket No.	Cltry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11823	JAPA		F	22AUI1996	255235/1996				
TITLE:CORRECTION OF REGISTERED SERVO INDEXED									
11823	SPAI		E D		96113476.4				
TITLE:CORRECTION OF REGISTERED SERVO INDEXED									
11827	USA		F	05SE1995	08/523737				
TITLE:TORQUE CONTROL FOR CONTINUOUS MOTION BAG									
11827	ASTL		F	04SE1996	64463/96				
TITLE:TORQUE CONTROL FOR CONTINUOUS MOTION BAG									
11827	BRAZ		F	05SE1996	PI9603658-3				
TITLE:TORQUE CONTROL FOR CONTINUOUS MOTION BAG									
11827	CANA		F	04SE1996	2184767				
TITLE:TORQUE CONTROL FOR CONTINUOUS MOTION BAG									
11827	EPC		F	05SE1996	96202484.0				
TITLE:TORQUE CONTROL FOR CONTINUOUS MOTION BAG									
11873	USA		F A G	23JE1997	08/880876	14AP1998	5738618	14OC2001	02FE2016
TITLE:BLANKET SEALING BAG MACHINE									
11873	EPC		X D						
TITLE:BLANKET SEALING BAG MACHINE									
11873	PCT		P F	21JA1997	PCT/US95/00607				
TITLE:BLANKET SEALING BAG MACHINE									

Patent List for Client/Division: PHIID-GREEN BAY
 Date of Report: 18MY1998

Docket No.	Clry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11873	PCT	P	F	21JJA1997	PCT/US95/00607				
Title: BLANKET SEALING BAG MACHINE									
11925	USA	X	F	28JJA1998	08/656802				
Title: ROLL-FORMING APPARATUS FOR CONTINUOUS OR									
11925	ASTL		F	29MY1997	2369297			29MY2000	
Title: ROLL-FORMING APPARATUS FOR CONTINUOUS OR									
11925	BRVZ		F	30MY1997	PI9703334-0			30MY1999	
Title: ROLL-FORMING APPARATUS FOR CONTINUOUS OR									
11925	CANA		F	22MY1997	2205795			22MY1999	
Title: ROLL-FORMING APPARATUS FOR CONTINUOUS OR									
11925	EPC	E	F	02JE1997	97303696.5			30JE1999	
Title: ROLL-FORMING APPARATUS FOR CONTINUOUS OR									
11925	JAPA		F	02JE1997	9-144170				
Title: ROLL-FORMING APPARATUS FOR CONTINUOUS OR									
12016	USA		F	05MR1997	08/810874				
Title: SEAL ROLL INDEX									
12047	USA		F	17JL1997	08/896179				
Title: APPARATUS FOR APPLYING RECLOSEABLE									
12047	PCT		F	2JL1998					
Title: APPARATUS FOR APPLYING RECLOSEABLE									

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Date of Report: 06JUL1998

Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
07906	CANA		G	22AP1977	276831	01DE1981	1113516		01DE1998
TITLE:DEVICE FOR CONTINUOUSLY TAKING OVER BAGS									
09630	USA		G	21SE1981	06/304405	29MY1984	4451249	29NO1995	21SE2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									
09630	BELG		P A G	29OC1981	206396	29AP1982	890924	31OC1998	29OC2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									
09630	CANA		P G	25SE1981	386727	07FE1984	1161679		07FE2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									
09630	FRAN		P G	25SE1981	8118150	12NO1985	8118150	30SE1998	25SE2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									
09630	FRAN		D A G	15MY1985	8507402	05JA1987	8507402	30SE1998	25SE2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									
09630	GBRI		D B G	25NO1983	8331497	09OC1985	2146575	22SE1998	22SE2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									
09630	GBRI		P A G	22SE1981	8128656	12JL1985	2089286	22SE1998	22SE2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									
09630	GERW		D A G	03FE1984	8128656	04JE1987	3153147	30SE1998	25SE2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									
09630	GERW		D C G	25SE1981	8128656	13OC1994	3153675.1	30SE1998	25SE2001
TITLE:MANUFACTURE OF THERMOPLASTIC BAGS (TWIN									

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10166	CANA	G		16AUI984	461154	25AUI987	1225856		25AUI987
Title: TWIN WICKETTING BAG MACHINE (PERFORATING)									
10166	FRAN	DEA	G	13AUI984	86112290.1	23NOI989	EP0215394	31AUI998	13AUI998
Title: TWIN WICKETTING BAG MACHINE (PERFORATING)									
10166	FRAN	E	G	13AUI984	84305500.5	23MR1988	FR0134711	31AUI998	13AUI998
Title: TWIN WICKETTING BAG MACHINE (PERFORATING)									
10166	GBRI	G		13AUI984	8420542	29JUI988	2145658	13AUI998	13AUI998
Title: TWIN WICKETTING BAG MACHINE (PERFORATING)									
10166	GBRI	D A	G	22AUI986	8620452	15JUI988	2179887	13AUI998	13AUI998
Title: TWIN WICKETTING BAG MACHINE (PERFORATING)									
10166	GBRI	DEA A	G	13AUI984	86112290.1	23NOI989	GB0215394	13AUI998	13AUI998
Title: TWIN WICKETTING BAG MACHINE (PERFORATING)									
10166	GBRI	EB	G	13AUI984	84300500.5	23MR1988	GB0134711	13AUI998	13AUI998
Title: TWIN WICKETTING BAG MACHINE (PERFORATING)									
10166	GERM	E	G	13AUI984	84305500.5	23MR1988	DE0134711	31AUI998	13AUI998
Title: TWIN WICKETTING BAG MACHINE (PERFORATING)									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
10166	GERM	DEA	G	13AUI984	86112290.1	23NO1989	DE0215394	31AUI998	13AUI2004
Title: TWIN WICKETING BAG MACHINE (PERFORATING) Owner: FMC Agent: BARD									
10166	ITAL	E	G	13AUI984	84305500.5	23MR1988	IT0134711	31AUI998	13AUI2004
Title: TWIN WICKETING BAG MACHINE (PERFORATING) Owner: FMC Agent: BRVE									
10166	ITVL	DEA	G	13AUI984	86112290.1	23NO1989	IT0215394	31AUI998	13AUI2004
Title: TWIN WICKETING BAG MACHINE (PERFORATING) Owner: FMC Agent: BRVE									
10166	JAPA	G	G	31AUI984	59-180838	07AP1995	1918686	29JE1998	31AUI2004
Title: TWIN WICKETING BAG MACHINE (PERFORATING) Owner: FMC Agent: YAMS									
10166	SPAI	G	G	31AUI984	535585	26MR1985	535585	26MR1999	26MR2005
Title: TWIN WICKETING BAG MACHINE (PERFORATING) Owner: FMC Agent: CLAR									
10224	USA	C B	G	29MY1987	07/056297	05AP1988	4735602	05OC1999	25SE2006
Title: BAG STACKING METHOD AND APPARATUS (TWIN) Owner: FMC Agent:									
10224	CANA	G	G	25JE1985	485212	22NO1988	1245236		22NO2005
Title: BAG STACKING METHOD AND APPARATUS (TWIN) Owner: FMC Agent: SIMM									
10240	CANA	G	G	25JA1985	472880	06DE1988	1245961		06DE2005
Title: THERMOPLASTIC BAG MACHINE- SINUS TOP BAG Owner: FMC Agent: SIMM									
10240	ISRA	G	G	25JA1985	74167	16FE1989	74167	25JA1999	25JA2005
Title: THERMOPLASTIC BAG MACHINE- SINUS TOP BAG Owner: FMC Agent: COHN									
10280	CANA	G	G	26AP1985	480170	17JA1989	1248867		17JA2006
Title: WEB CUTTING METHOD AND APPARATUS Owner: FMC Agent: SIMM									

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10387	USA	G		06NO1985	06/795561	13OC1987	4699607	13AP1999	06NO2005
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	ASTL	G		28OC1986	86-64527	11AU1989	583159	28OC1998	28OC2006
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	BELG	G		05NO1986	217371	28NO1986	905703	30NO1998	05NO2006
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	CANA	G		29OC1986	521730	26SE1989	1261663	30NO1998	26SE2006
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	FRAN	G		05NO1986	8615428	06MY1994	8615428	30NO1998	05NO2006
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	GBRI	G		06NO1986	8626581	21MR1990	2182605	06NO1998	06NO2006
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	GERM	F		06NO1986	P3637877.1			30NO1998	06NO2006
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	GERM	U	U	F	06NO1986	G8629732.5		30NO1989	06NO1992
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	JAPA	G		31OC1986	61-258683	08FE1995	1903326	20AP1999	31OC2006
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									
10387	SPAI	G		06NO1986	8602935	20SE1988	2003476	06NO1998	06NO2006
Title:METHOD AND APPARATUS FOR PRODUCING BAGS									

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10388	USA		G	06DE1985	06/806234	14JUL1987	4679474	14JUL1999	06DE2005
Title: HEATED SINUS CUTTER									
10535	USA	C A	G	22JUL1988	07/224184	25JUL1989	4850781	25JUL2001	03NO2006
Title: ZERO CYCLE INTERRUPT WICKET STACKER									
10535	BELG		G	30OC1987	8701232	12NO1991	8701232	31OC1998	30OC2007
Title: ZERO CYCLE INTERRUPT WICKET STACKER									
10535	GERM		G	25SE1987	P3732437.3	26NO1992	3732437	30SE1998	25SE2007
Title: ZERO CYCLE INTERRUPT WICKET STACKER									
10535	ITAL		G	20OC1987	87-22350A	15JUL1992	1231906	31OC1998	20OC2007
Title: ZERO CYCLE INTERRUPT WICKET STACKER									
10535	JAPA		G	04SE1987	62-221796	14JUL1993	1772427	29SE1998	04SE2007
Title: ZERO CYCLE INTERRUPT WICKET STACKER									
10535	SPAI		G	03NO1987	8703145	05JUL1989	2008308	03NO1998	03NO2007
Title: ZERO CYCLE INTERRUPT WICKET STACKER									
11095	USA	C A	G	25MRR1993	08/037502	16AUL1994	5337968	16FE2002	16AUL2011
Title: VACUUM TRANSFER SYSTEM									
11095	BELG		G	03AP1991	9100308	29NO1994	9100308	30AP1999	03AP2011
Title: VACUUM TRANSFER SYSTEM									
11095	GERM		G	04AP1990	P4010894.5	28NO1996	4010894	30AP1999	04AP2010
Title: VACUUM TRANSFER SYSTEM									

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Docket No.	Ctry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11095	JAPA		G	04AP1991	3-097957	21NO1996	2110820	24JL1999	04AP2011
Title: VACUUM TRANSFER SYSTEM Owner: YAMS									
11095	SPAI		G	20MR1991	9100703	05JL1992	2029190	20MR1999	20MR2011
Title: VACUUM TRANSFER SYSTEM Owner: FMC Agent: CLAR									
11065	USA	F A	F	28JL1997	08/901823				
Title: APPARATUS AND METHOD FOR CONTROLLING WEB Owner: FMC Agent: ROC									
11865	USA		F	17NO1995	08/560425				
Title: APPARATUS AND METHOD FOR CONTROLLING WEB Owner: FMC Agent:									
11865	ASTL		F	15NO1996	10567/97			15NO1999	
Title: APPARATUS AND METHOD FOR CONTROLLING WEB Owner: FMC Agent: WOOD									
11865	BELG	X	D						
Title: APPARATUS AND METHOD FOR CONTROLLING WEB Owner: FMC Agent: WOOD									
11865	BRAZ		P					15NO2000	
Title: APPARATUS AND METHOD FOR CONTROLLING WEB Owner: FMC Agent: WOOD									
11865	CANA		P						
Title: APPARATUS AND METHOD FOR CONTROLLING WEB Owner: FMC Agent: WOOD									
11865	DENM	X	D						
Title: APPARATUS AND METHOD FOR CONTROLLING WEB Owner: FMC Agent: WOOD									
11865	EPC	X	F	15NO1996	96941415.0			30NO1998	
Title: APPARATUS AND METHOD FOR CONTROLLING WEB Owner: FMC Agent: WOOD									

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Docket No.	Cltry	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11865	FRAN	X	D						
Title: APPARATUS AND METHOD FOR CONTROLLING WEB									
11865	GBRI	X	D						
Title: APPARATUS AND METHOD FOR CONTROLLING WEB									
11865	GERM	X	D						
Title: APPARATUS AND METHOD FOR CONTROLLING WEB									
11865	ITAL	X	D						
Title: APPARATUS AND METHOD FOR CONTROLLING WEB									
11865	JAPA	P	F	15NO1996	519871/97				
Title: APPARATUS AND METHOD FOR CONTROLLING WEB									
11865	PCT	P	F	15NO1996	PCT/US96/18621				
Title: APPARATUS AND METHOD FOR CONTROLLING WEB									
11865	SPAI	X	D						
Title: APPARATUS AND METHOD FOR CONTROLLING WEB									
11983	USA	F	F	18OC1996	08/730857				
Title: WINDER FOR USE WITH A BAG-MAKING MACHINE									
11983	ASTL	F	F	16OC1997	4187697			16OC2000	
Title: WINDER FOR USE WITH A BAG-MAKING MACHINE									
11983	CANA	F	F	29SE1997	2216677			29SE1999	
Title: WINDER FOR USE WITH A BAG-MAKING MACHINE									

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11983	EPC	F		140C1997	97117796.9			310C1999	
TITLE: WINDER FOR USE WITH A BAG-MAKING MACHINE									
11983	JAPA	F		200C1997	9-286659				
TITLE: WINDER FOR USE WITH A BAG-MAKING MACHINE									
11987	USA	F		180C1996	08/732756				
TITLE: PRESSURE ENGAGED ROLLER TO REDUCE									
11987	CANA	F		020C1997	2217257				
TITLE: PRESSURE ENGAGED ROLLER TO REDUCE									
11987	EPC	E	F	130C1997	97308069.0				
TITLE: PRESSURE ENGAGED ROLLER TO REDUCE									
11988	USA	G		19DE1996	08/770758	31MR1998	5733236	30SE2001	19DE2016
TITLE: CORRECTION OF POSITIONING OF ATTACHMENTS									
11988	ASTL	F		17DE1997	4844297				
TITLE: CORRECTION OF POSITIONING OF ATTACHMENTS									
11988	BRAZ	F		16DE1997	PI9705647.2				
TITLE: CORRECTION OF POSITIONING OF ATTACHMENTS									
11988	CANA	F		20NO1997	2221643				
TITLE: CORRECTION OF POSITIONING OF ATTACHMENTS									
11988	EPC	E	F	03DE1997	97203792.3				
TITLE: CORRECTION OF POSITIONING OF ATTACHMENTS									

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Docket No.	Clty	Types	Status	App Date	App No	Grant Dt	Pat No.	Nxt Tax Dt	Exp Dt
11988	JAPA		F	19DE1997	9-350931				
Title: CORRECTION OF POSITIONING OF ATTACHMENTS									
11988	MEXI		F	18DE1997	97.10322				
Title: CORRECTION OF POSITIONING OF ATTACHMENTS									
12000	USA		F	19DE1996	08/770759				
Title: BAG-FOLDING APPARATUS									
12000	CANVA		F	11DE1997	2224533			11DE1999	
Title: BAG-FOLDING APPARATUS									
12000	EPC		F	10DE1997	97203880.6			31DE1999	
Title: BAG-FOLDING APPARATUS									

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: FMC Corporation

Patent No.'s	4,068,566	4,259,134	4,275,977	4,386,924	4,396,379	4,451,249
	4,573,955	4,638,702	4,668,147	4,668,148	4,668,158	4,679,474
	4,693,701	4,699,607	4,702,731	4,735,602	4,758,214	4,850,781
	5,000,725	5,000,727	5,094,656	5,127,549	5,161,793	5,197,727
	5,230,688	5,292,299	5,318,237	5,337,968	5,350,928	5,388,746
	5,417,638	5,447,486	5,570,878	5,588,644	5,695,106	5,733,236
	5,738,618	5,779,180	5,785,794	5,792,306	5,813,586	5,830,117
	R35,067					

Applications No.'s	07/387,300	07/613,436	07/889,230	07/954,613	07/981,967
	08/034,029	08/245,778	08/409,483	08/656,802	08/770,759
	08/896,179				

TRANSMITTAL LETTER FOR A PATENT ASSIGNMENT

The Commissioner of Patents & Trademarks
Box Assignments
Washington, D.C. 20231

Sir:

Transmitted herewith are (1) a Patent Recordation Form Cover Sheet (2 pages), (2) Attachment A (1 page), (3) a copy of a patent assignment (26 pages), (4) Check No. 026268 in the amount of \$2,120.00 for the requisite fee, and (5) A certificate of Mailing by Express Mail (1 page) and (6) a return postcard.

You are authorized to charge any additional fee or to credit any overpayment to Deposit Account No. 04-1644.

Respectfully submitted,

By: 
Stephen D. Geimer

Rockey, Milnamow & Katz, Ltd.
Two Prudential Plaza, Suite 4700
180 North Stetson
Chicago, Illinois 60601
February 8, 1999
SDG/cea

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Date of Deposit

I hereby certify that this Assignment Document and any other documents referred to as enclosed herein, are being deposited in an envelope with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and addressed Box Assignments, Assistant Commissioner for Patents and Trademarks, Washington, D.C. 20231.

Carol Arellano

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