

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Whatman HemaSure Inc.	01/30/2003

RECEIVING PARTY DATA

Name:	Pall Corporation
Street Address:	2200 Northern Boulevard
City:	East Hills
State/Country:	NEW YORK
Postal Code:	11548-1209

PROPERTY NUMBERS Total: 14

Property Type	Number
Patent Number:	5456835
Patent Number:	5462867
Patent Number:	5472605
Patent Number:	5902490
Patent Number:	5779902
Patent Number:	6015500
Patent Number:	6123859
Patent Number:	6495036
Patent Number:	6337026
Patent Number:	6428712
Patent Number:	6010633
Patent Number:	6251292
Patent Number:	5683916
Patent Number:	4833165

CORRESPONDENCE DATA

PATENT

500010878

REEL: 015320 FRAME: 0455

CH \$560.00 5456835

Fax Number: (202)737-6776
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 202-737-6770
Email: jjohnson@leydig.com
Correspondent Name: Jeremy M. Jay
Address Line 1: 700 Thirteenth Street, N.W.
Address Line 2: Suite 300
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

NAME OF SUBMITTER:

Jeremy M. Jay

Total Attachments: 12

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ASSIGNMENT

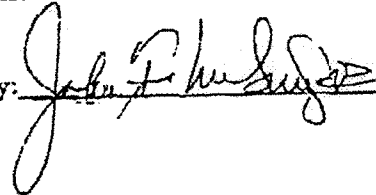
WHEREAS, Whatman HemaSure Inc., a Massachusetts corporation, having its principal place of business at 140 Locke Drive, Marlborough, Massachusetts, 01752 ("Assignor") the owner of various patents and patent applications identified in Schedule "A" hereto (hereinafter the "Patents and Applications").

WHEREAS, Pall Corporation, a New York corporation, having offices at 2200 Northern Blvd., East Hills, New York, ("Assignee") is desirous of obtaining the entire right, title and interest in, to and under the Patents and Applications.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said Patents and Applications and all divisions, renewals and continuations thereof, and all United States patents which may be granted thereon and all reissues and extensions thereof, and all applications for patents which may hereafter be filed for the patents and Applications in any country or countries foreign to the United States, and all patents which may be granted therefrom in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all patents issuing from the Patents and Applications to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

IN TESTIMONY WHEREOF, this 30th day of January, 2003

Whatman HemaSure Inc

By: 

STATE OF MA
COUNTY OF Middlebury) ss.

On this 30th day of July, 2003, before me personally came
John F. McLean TEL, and to me known and known to me to be the
person of that name, who signed and sealed the foregoing instrument, and
he/she acknowledged the same to be his/her free act and deed.


Notary Public CHRISTOPHER P. O'KEEFE

04-12-2009

387052



SCHEDULE A

Whatman Hemasure Patent Matters
U.S. and Foreign (Issued, Pending, Expired and Abandoned)
Current as of December 18, 2002

HRFM FILE SERIES

HRFM File	Priority Details	Status
Title of Original Filing		
Serial Number	Filing Date	Patent Number
Publication Number	Date	EP Designated States
Inventor(s)	Applicant(s)	
Remarks		

0901.001

0901.001E	FWC OF 001 (Prosecution being handled by Pennie & Edmonds)		?
Lectin Affinity Membranes and Methods for Using Them			
08/083,859	06/28/93		
HOLTON, Oscar Dito		FOURON, Yves	Inventor(s)

0901.002

0901.002D	CIP of 002A		Issued
Device and Process for Removing Leukocytes from Blood			
08/347,564	11/30/94	5,639,376	06/17/97 06/17/2014
CASTINO, Franco	FOURON, Yves	LEE, Eric K.	Inventor(s)
ZEPP, Charles M.	AZAD, Abdul R. M.		
8th year MF due 12/17/04			

0901.002E	DIV of 002B		Issued
Device and Process for Removing Leukocytes from Blood			
08/862,517	05/23/97	5,935,436	08/10/99 01/10/2014
CASTINO, Franco	FOURON, Yves	LEE, Eric K.	Inventor(s)
ZEPP, Charles M.			
4th year MF due 02/10/03			

0901.002F	CON of 002B		Issued
Device and Process for Removing Leukocytes from Blood			

08/869,204	06/14/97	5,817,237	10/06/98	01/10/2014
CASTINO, Franco ZEPP, Charles M.		FOURON, Yves LEE, Eric K.		Inventor(s)
4th year MF due 04/06/02				

0901.002G	CON of 002E				Issued
Device and Process for Removing Leukocytes from Blood					
08/371,141	08/09/99	6,159,375	12/12/00	01/10/2014	
CASTINO, Franco ZEPP, Charles M.		FOURON, Yves LEE, Eric K.		Inventor(s)	
4th year MF due 06/12/04					

0901.003

0901.003					Issued
Device and Process for Removal of Free Hemoglobin from Blood					
08/148,883	11/08/93	5,456,835	10/10/95	11/08/2013	
CASTINO, Franco		LEE, Eric K.	AZAD, Abdul R. M.		Inventor(s)

0901.004

0901.004B	FWC of U04A				Issued
Process for Surface Modification of Hydrophobic Polymers					
08/190,732	02/02/94	5,462,867	10/31/95	10/31/2012	
AZAD, Abdul R. M.			GOFFE, Randal A.		Inventor(s)
8th year MF due 04/30/03					

0901.005

0901.005					Issued
A Filter Device Useful for the Removal of Leukocytes and other Blood Components					
08/209,523	03/10/94	5,472,605	12/05/95	03/10/2014	
ZUK, Peter Jr.				ZUK, Peter Jr.	
8th year MF due 06/05/03					

0901.005C	CON of 005B				Issued
A Filter Device Useful for the Removal of Leukocytes and other Blood Components					
08/680,674	07/16/96	5,982,490	05/11/99	03/10/2014	
ZUK, Peter Jr.				ZUK, Peter Jr.	

05/15/2003 10:52 516-484-5895
03/31/03 MON 17:12 FAX 516 832 7555

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PAGE 11/18
008

4th year MF due 11/11/02				
0901.005D	FWC of 005B			Issued
A Filter Device Useful for the Removal of Leukocytes and other Blood Components				
08903,2713	07/25/97	5,779,902	07/14/98	03/10/2014
ZUK, Peter Jr.			ZUK, Peter Jr.	
8th year MF due 01/14/06				

0901.005E	CON of 005D			Issued
A Filter Device Useful for the Removal of Leukocytes and other Blood Components				
09119,292	07/20/98	6,015,500	01/18/00	03/10/2014
ZUK, Peter Jr.			ZUK, Peter Jr.	
4th year MF due 07/18/03				

0901.005EP	Priority from 005			Accepted
A Filter Device Useful for the Removal of Leukocytes and other Blood Components				
95 911 779.7	02/15/95			
0749345	12/27/96	AT BE CH/LI DE DK ES FR GB GR IE IT LU MC NL PT SE		
ZUK, Peter Jr.			WHATMAN HEMASURE, INC.	
8th year ANNUITY due 02/15/03; translations being prepared; decision required as to validation countries				

0901.007

0901.007				Issued
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like				
08/524,049	09/06/95	5,798,041	08/25/98	09/06/2015
ZUK, Peter Jr.			ZUK, Peter Jr.	
4th year MF due 02/25/02				

0901.007A	DIV of 007			Issued
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like				
08/974,518	11/19/97	6,030,539	02/29/00	09/06/2015
ZUK, Peter Jr.			ZUK, Peter Jr.	
4th year MF due 08/29/03				

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0901.007B	CON of 007A				Issued
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like					
09/095,189	06/10/98	5,938,940	08/17/99	09/06/2015	
ZUK, Peter Jr.			ZUK, Peter Jr.		
4th year MF due 02/17/03					

0901.007C	CON of 007B				Issued
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like					
09/467,192	12/20/99	6,274,055	08/14/01	09/06/2015	
ZUK, Peter Jr.			ZUK, Peter Jr.		
4th year MF due 02/14/05					

0901.007AU	Priority from 007				Issued
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like					
69611/96	08/29/96	715074	08/29/2016		
715074	04/05/00				
ZUK, Peter Jr.			HEMASURE, INC.		
ANNUITY due 08/29/02					

0901.007CA	Priority from 007				Issued
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like					
2,230,590	08/29/96	2,230,590	10/02/01	08/29/2016	
ZUK, Peter Jr.			HEMASURE, INC.		
ANNUITY due 08/29/02					

0901.007CN	Priority from 007				Issued
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like					
96 1 96721.8	08/29/96	ZL 96196721.8	10/10/01	08/29/16	
CN 1072517C	10/10/01				
ZUK, Peter Jr.			HEMASURE, INC.		

0901.007EP	Priority from 007				Pending
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like					
96 930 637.2	08/29/96				
0881929	12/09/98	AT BE CH/LI DE DK ES FI FR GB GR IE IT LU MC NL PT SE			

ZUK, Peter Jr.		HEMASURE, INC.	
Annuitiy due 8/31/03.			
0901.007JP	Priority from 007		Pending
An In-Line Liquid Filtration Device Useful for Blood, Blood Products or the Like			
Hei 9-511292	08/29/96		
HO9-511292			
ZUK, Peter Jr.		HEMASURE, INC.	
Request for Examination due 8/29/03.			

0901.019

0901.019B	Priority from 019 and 019A; filed as §371 US national phase of 019WO			Issued
Removal of Tumor Cells from Tumor Cell-Contaminated Stem Cell Products				
09/242,857	02/24/99	6,177,019	01/23/01	08/22/2017
WICKRAMASINGH, S. R.		CASTINO, Franco	Inventor(s)	
4th year MF due 07/23/04				

0901.019AU	Priority from 019 and 019A			Issued
Removal of Tumor Cells from Tumor Cell-Contaminated Stem Cell Products				
41571/97	08/22/97	741438/97		
741438	11/29/01			
WICKRAMASINGH, S. R.		CASTINO, Franco	HEMASURE, INC.	

0901.019CA	Priority from 019 and 019A			Abandoned
Removal of Tumor Cells from Tumor Cell-Contaminated Stem Cell Products				
2,261,612	08/22/97			
WICKRAMASINGH, S. R.		CASTINO, Franco	HEMASURE, INC.	

0901.019EP	Priority from 019 and 019A			Pending
Removal of Tumor Cells from Tumor Cell-Contaminated Stem Cell Products				
97 939 496.2	08/22/97			
0929328	07/21/99	AT BE CH/LI DE DK ES FI FR GB GR IE IT LU MC NL PT SE		
WICKRAMASINGH, S. R.		CASTINO, Franco	HEMASURE, INC.	

Awaiting first Action from EPO; Annunity due 8/31/03.

0901.019JP	Priority from 019 and 019A				Pending
Removal of Tumor Cells from Tumor Cell-Contaminated Stem Cell Products					
Hei 10-511745	08/22/97				
01-500753A	01/23/01				Deferred; 08/22/04 deadline
WICKRAMASINGH, S. R.		CASTINO, Franco			HEMASURE, INC.

0901.025

0901.025					Issued
In-Line Gravity Driven Liquid Filtration Device Useable to Filter Blood or Blood Products					
08/812,717	03/06/97	6,010,633	01/04/00	03/06/2017	
ZUK, Peter Jr.			ZUK, Peter Jr.		
4th year MF due 07/04/03					

0901.025C	DIV of 025 (divisionals 025A and 025B were considered, but never filed)				Issued
In-Line Gravity Driven Liquid Filtration Device Useable to Filter Blood or Blood Products					
09/434,182	11/04/99	6,251,292	06/26/01	03/06/2017	
ZUK, Peter Jr.			ZUK, Peter Jr.		
4th year MF due 12/26/04					

0901.025EP	Priority from 025				Pending
In-Line Gravity Driven Liquid Filtration Device Useable to Filter Blood or Blood Products					
98 906656.8	02/17/98				
0088103	02/29/00	AT BE CH/LI DE DK ES FI FR GB GR IE IT LU MC NL PT SE			
ZUK, Peter Jr.				HEMASURE, INC.	
ANNUITY due 02/17/03					

0901.025JP	Priority from 025	Pending
In-Line Gravity Driven Liquid Filtration Device Useable to Filter Blood or Blood Products		
Hei 10-538579	02/17/98	
1-508702A	07/03/01	
ZUK, Peter Jr.		HEMASURE, INC.
Request for Examination due 2/17/05.		

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PAGE 15/18
010

0901.031

0901.031A	Priority from 031				Issued
Method and Apparatus for Irradiating a Biological Fluid					
09/281,602	02/26/99	6,369,394	04/09/02	02/26/2018	
LEE, Eric K.			LEE, Eric K.		

0901.031AEP	Priority from 031				Pending
Method and Apparatus for Irradiating a Biological Fluid					
99 909 632.4	02/26/99				
1056837	12/06/00	AT BE CH/LI CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE			
LEE, Eric K.				HEMASURE, INC.	
Awaiting first Examination Report from EPO; Amenity due 2/3/03.					

0901.031AJP	Priority from 031				Pending
Method and Apparatus for Irradiating a Biological Fluid					
P2000535330	02/26/99				
			Deferred: 02/26/06 deadline		
LEE, Eric K.			HEMASURE, INC.		

0901.043

0901.043A	Priority from 043				Issued
System and Method for In-Line Filtering Biological Liquid					
09/296,882	04/22/99	6,123,859	09/26/00	04/22/2019	
LEE, Eric K. CASTINO, Franco			Inventor(s)		
4th year MF due 03/26/04					

0901.043B	DIV of 043A				Allowed
System and Method for In-Line Filtering Biological Liquid					
09/605,002	06/27/00				
LEE, Eric K. CASTINO, Franco				Inventor(s)	
Issue Fee filed 11/13/02; Awaiting Letters Patent.					

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PAGE 15/18
011

0901.047

0901.047A	No priority claim				Issued
Leukocyte Reduction Filtration Media					
09/264,276	03/08/99	6,337,926	01/08/02	03/08/2019	
LEE, Eric K. WILLIAMS, Samuel C. VERNUCCI, Paul J.			Inventor(s)		
4th year MF due 07/08/05					

0901.047B	Priority from 047A				Pending
Leukocyte Reduction Filtration Media					
09/995,441	11/27/01				
LEE, Eric K.		WILLIAMS, Samuel C.		VERNUCCI, Paul J.	Inventor(s)
Response to Office Action filed 10/23/02					

0901.047AEP	Priority from 047A				Pending
Leukocyte Reduction Filtration Media					
00901399.6	01/05/00				
1169107	01/09/02	AT BE CH/LI CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE			
LEE, Eric K.	WILLIAMS, Samuel C. VERNUCCI, Paul J.			HEMASURE, INC.	
ANNUITY due 01/05/03					

0901.051

0901.051					Issued
Method to Inactivate Non-Enveloped Viruses with a Virucidal-Potentiating Agent with a Photoactivatable Virucide					
08/368,780	01/04/95	5,663,043	09/02/97	01/04/2015	
ZEPP, Charles M.		HEFFNER, Donald M.		Inventor(s)	
8th year MF due 03/02/05; HRFM did not prosecute, transferred post-issuance					

0901.120

0901.120	No priority claim				Issued
Gravity Driven Liquid Filtration System and Method for Filtering Biological Liquid					
09/544,383	04/06/00	6,428,712	08/06/02	04/06/2020	
CASTINO, Franco				CASTINO, Franco	

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0901.120WO	Priority from 120	Pending
Gravity Driven Liquid Filtration System and Method for Filtering Biological Liquid		
PCT/US01/03786	04/03/01	
WO 01/76721	10/18/01	
CASTINO, Franco	HEMASURE, INC.	
30 month date is 10/06/02; agents engaged in EP and JP -- 9/18/02		

0901.120EP	Priority from 120	Pending
Gravity Driven Liquid Filtration System and Method for Filtering Biological Liquid		
01 923087.9	4/3/01	
CASTINO, Franco	WHATMAN HEMASURE, INC.	
31 month date is 11/06/02; agent engaged for regional phase entry		

0901.120JP	Priority from 120	Pending
Gravity Driven Liquid Filtration System and Method for Filtering Biological Liquid		
P-2001-574231	4/3/01	
CASTINO, Franco	WHATMAN HEMASURE, INC.	
30 month date is 10/06/02; agent engaged for JP national phase entry		

0901.140

0901.140B	CON of 140A	Issued
Membrane Affinity Apparatus and Purification Methods Related Thereto		
08/465,479	06/05/95	5,683,916
	11/04/97	11/04/2014
GOFFE, Randal A.	ZALE, Stephen E.	O'CONNOR, James L.
KESSLER, Stephen B.	Inventor(s)	
8th year MF due 05/04/05		

0901.142

0901.142A	Priority of 142	Issued
Extra-Luminal Crossflow Electrophoresis Device and Method of Use Thereof		
08/753,966	10/23/96	5,846,427
	12/03/98	10/23/2016

KESSLER, Stephen B.	WICKRAMASINGH, S. R.	Investor(s)
4th year MF due 06/08/02		

0901.143

0901.143					Issued
Method of Inactivating HTLV-III Virus in Blood					
07/105,340	10/07/87	4,833,163	05/23/89	05/23/2006	
LOUDERBACK, Allen L.			LOUDERBACK, Allen L.		
12th and final MF paid 07/24/00					

0901.162

0901.162					Pending
Filter Device and System for Biological Fluids					
09/961,474	09/24/01				
SUTCLIFFE, Peter C.				SUTCLIFFE, Peter C.	
Awaiting first US Office Action.					

0901.162WO	PCT of 162				Pending
Filter Device and System for Biological Fluids					
PCT/US02/30208	09/24/02				
SUTCLIFFE, Peter C.				SUTCLIFFE, Peter C.	
File Demand due 4/24/03.					