

08-03-2001



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To the Honorable Commissioner of Patent

101799271

ached original documents or copy thereof.

1. Name of conveying party(ies):

Pall Corporation

7-30-01

2. Name and address of receiving party(ies):

Name: Pneumatic Products Corporation

Internal Address: _____

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: May 21, 1988Street Address: Executive Park4647 S.W. 40th AvenueCity: OcalaState: FLZIP: 32674Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

4,783,432

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kenneth SheehanInternal Address: Pepepr Hamilton LLPStreet Address: Hamilton Square600 Fourteenth St., N.W.City: WashingtonState: DCZIP: 20005

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

08/02/2001 REMITT 000000% 4783432

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9. 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.

Gwendolyn L. Gill

Name of Person Signing

Signature

July 25, 2001

Date

Total number of pages including cover sheet, attachments, and document:

26

PATENT

REEL: 012014 FRAME: 0877

PATENT AND TRADEMARK ASSIGNMENT

THIS AGREEMENT is made as of the 29th day of April, 1988 between Pall Corporation, a corporation duly organized and existing under the laws of the State of New York with offices at 2200 Northern Boulevard, East Hills, New York, 11548 (hereinafter called "the Assignor"), and Pneumatic Products Corporation, a corporation duly organized and existing under the laws of the State of Delaware with offices at Executive Park, 4647 S.W. 40th Avenue, Ocala, Florida 32674 (hereinafter called the "Assignee").

WHEREAS the Assignor is the sole owner of the entire right, title and interest in the Trademarks, Letters Patent and the Patent Applications listed in Appendix A hereto, incorporated herein and made a part hereof;

AND WHEREAS the Assignor has agreed to assign to the Assignee, for the consideration herein appearing, its entire right, title and interest in the aforesaid Letters Patent and Patent Applications and the inventions described and claimed in them and the Trademarks and the goodwill of the business of the Assignor connected with and symbolized by the Trademarks;

AND WHEREAS the Assignee wishes to acquire all of the Assignor's right, title and interest in the aforesaid Trademarks, Letters Patent and Patent Applications and the inventions described and claimed in them for the consideration hereinafter appearing;

IT IS AGREED AS FOLLOWS:

1. In consideration of the payments provided for in the Pall Pneumatic Products Corporation Sale of Assets Agreement, dated as of April 29, 1988, and for other good and valuable consideration of which receipt is acknowledged, the Assignor hereby sells and assigns to the Assignee, the Assignor's entire right, title and interest in the Letters Patent and the Patent Applications listed in Appendix A and the inventions described and claimed in them, and the Trademarks listed in Appendix A and the goodwill of the business of the Assignor in connection with which the Trademarks are used, to be held and enjoyed by the Assignee, its successors, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this assignment and sale not been made.
2. In addition to the assignment of the Letters Patent and Patent Applications and underlying inventions in each of them, and the Trademarks and the goodwill of the business pertinent thereto, the Assignor hereby sells, assigns and transfers to the Assignee, all of the Assignor's right, title, and interest in and to any reissue or extension of the Letters Patent or of any other Letters Patent that may

be granted from the aforesaid Patent Applications or any continuation, continuation-in-part, or divisional application thereof.

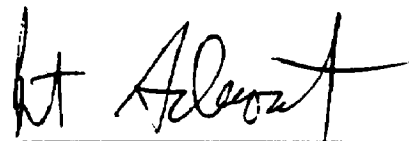
3. The Letters Patent, Patent Applications and other rights assigned by this instrument are for the use and exploitation of the Assignee, its successors and assigns to the end of the term for which the Letters Patent are granted or for which any reissue or extension of the Letters Patent are granted. They may be used and exploited as fully as the Assignor may have used and exploited them had the Assignor not made this assignment.
4. Assignor has granted licenses in certain of the Letters Patent to its subsidiaries, Pall Europe Limited and Nihon Pall Ltd. Assignor agrees that such licenses will be terminated effective as of the date hereof.
5. The Assignor represents and warrants that it has not granted nor assigned any rights or interests other than those rights described in paragraph 4 above, and will not grant nor assign any rights or interests inconsistent with those assigned by this instrument.
6. The Assignor agrees to execute any writings or instruments and perform any acts that the Assignee deems necessary to carry out this assignment.
7. This assignment includes the assignment of all claims of infringement of any right or interest transferred hereunder arising prior to the effective date of this instrument and the right to recover damages therefor.

IN WITNESSETH WHEREOF, Assignor has caused this assignment to be signed by its duly authorized officers and its seal to be attached the date and year first above written.

PALL CORPORATION

by 
Stanley Wernick
(Senior Vice President
and Treasurer
(Corporate Seal))

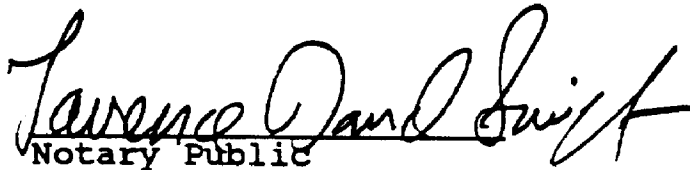
Attest


Corporate Secretary

State of New York)
 : ss
County of New York)

On this 21st day of May, 1988, before me personally appeared Stanley Wernick, who acknowledged himself to be the Senior Vice President & Treasurer of Pall Corporation, a corporation, that he knows the seal of said corporation, that the seal affixed to the foregoing instrument is that seal, that it was so affixed by authority of the Board of Directors of the corporation, and that, by like authority, he signed the instrument for the purposes stated in the name of and as the act of and deed of the corporation.

In witness whereof I hereunto set my hand and the seal of my office.


Notary Public

LAWRENCE DAVID SWIFT
NOTARY PUBLIC, State of New York
No. 60-4704336
Qualified in Westchester County
Commission Expires September 30, 1989

(seal)

01/19/88

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
* US 219-006	3,552,096		JAMES P. DAYSON	ACTUATED VALVE DRYER WITH AIR MOTOR		US	GRANTED		01/05/71	
* BELGIUM 219-006	701,304	46,155	JAMES PALL CORP.	DRYER W/AIR MOTOR-ACTUATED VALVE		BELGIUM	GRANTED	07/13/67	01/05/68	
* FRANCE 219-006	1,531,060		JAMES PALL CORP.	DRYER W/AIR MOTOR-ACTUATED VALVE		FRANCE	GRANTED		05/30/68	
* GERMANY 219-006	1,619,901		JAMES PALL CORP.	DRYER W/AIR MOTOR-ACTIVATED VALVE		GERMANY	GRANTED		09/02/71	
GT. BRITAIN 219-006	1,168,102		JAMES PALL FILTRATION	DRYER W/AIR MOTOR-ACTUATED VALVE		GT. BRITAIN	GRANTED		02/18/70	
US 219-006	4,127,395		JAMES P. MCKEY ET AL	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL &		US	GRANTED		11/28/78	

PATENT
REF ID: A612014
NAME: 0881

01/19/88

PATENT/PATENT APPLICATIONS/TRADENAME ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTN APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** AUSTRALIA 222-032	370,340	7421/77	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL - SAFE AUTOMATIC CYCLE CONTROL & PROCES		AUSTRALIA	GRANTED		08/15/82	
** AUSTRIA 222-032	370,340	7421177	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL - SAFE AUTOMATIC CYCLE CONTROL & PROC.		AUSTRIA	GRANTED	10/17/77	08/15/82	
** CANADA 222-032	1,085,747	288/655	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL - SAFE AUTOMATIC CYCLE		CANADA	GRANTED	10/13/77	09/16/80	

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PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** DENMARK 222-032	150535	4625/77	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		DENMARK	PENDING	10/17/77	09/28/87	10/17/97
** FINLAND 222-032		773061	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		FINLAND	PENDING	10/14/77		
** FRANCE 222-032	77/31189	77.31189	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE CYCLE CONTROL & PROCESS		FRANCE	GRANTED	10/17/77	11/22/82	
GERMANY 222032	2,746,204	P27462040	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL SAFE AUTOMATIC CYCLE CONTROL &		GERMANY	PENDING	10/14/77		10/14/95
GT. BRITAIN 222-032	1,553,780		JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE		GT. BRITAIN	GRANTED		12/12.79	

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** HOLLAND 222-032		7711379	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		HOLLAND	PENDING	10/17/77		
** ISRAEL 222-032	53,009	53099	JAMES MCKEY ET AL	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		ISRAEL	GRANTED	10/11/77		
* ITALY 222-032		51459-A/77	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		ITALY	PENDING	10/18/77		
JAPAN 222-032	1,127,004	125043/77	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		JAPAN	GRANTED	10/18/77	12/14/82	

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** MEXICO 222-032	146,177	170,998	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		MEXICO	GRANTED	10/18/77		
** NORWAY 222-032	149,879	77/3551	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		NORWAY	GRANTED	10/17/77	7/11/84	
** PORTUGAL 222-032	67,166	67,166	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		PORTUGAL	GRANTED	10/17/77	03/20/79	
** S.AFRICA 222-032	77/6063		JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		S.AFRICA	GRANTED		10/11/77	

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PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
.. SWITZERLAND 222-032 635,247 (EPO)		12638/77.7	JAMES PALL CORP.	ADSORBENT FRACTIONATOR W/FAIL-SAFE AUTOMATIC CYCLE CONTROL & PROCES		SWITZERLAND	GRANTED	10/17/77	03/31/80	
.. US 22-033 CIP 4,205,967			JAMES L. SANDMAN ET AL	M F CONTROLLER		US	GRANTED		6/3/80	6/3/97

.. US

PATENT

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** US 222-037	4,162,146		JAMES C.F. SEIBERT	SHUTTLE VALVES FOR HA DRYERS		US	GRANTED		07/24/79	
** CANADA 222-037	1,116,101	317,755	JAMES SEIBERT ET AL	SHUTTLE VALVE		CANADA	GRANTED	12/12/78	01/12/82	
** DENMARK 222-037	150703	5452/78	JAMES SEIBERT	SHUTTLE VALVES FOR HA DRYER		DENMARK	GRANTED	11/30/78	11/02/87	11/30/98
** FINLAND 222-037		783809	JAMES PALL CORP.	MULTI-CHAMBER ADSORBENT GAS FRACTIONATOR W/NONJAWING EFFLUENT FLOW		FINLAND	PENDING	12/14/78		
** ITALY 222-037	1,110,871	52283-A/78	JAMES PALL CORP.	SHUTTLE VALVES FOR HA DRYER		ITALY	GRANTED	12/13/78	01/06/86	12/13/98

01/19/86

PATENT/PATENT APPLICATIONS/TRADENAME ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** JAPAN 222-037	1,123,192	155711/78	JAMES PALL CORP.	SHUTTLE VALVE		JAPAN	GRANTED	12/14/78	11/12/82	
** S. AFRICA 222-037	78/6907		JAMES PALL CORP.	SHUTTLE VALVES FOR HA DYER		S. AFRICA	GRANTED		12/11/78	
** SPAIN 222-037	475,946		JAMES PALL CORP.	SHUTTLE VALVES FOR HA DYER		SPAIN	GRANTED		02/21/79	
** FRANCE 222-037 (EPO)		78101548.2	JAMES PALL CORP.	SHUTTLE VALVES FOR HA DYER		FRANCE	GRANTED	12/04/78		
** GERMANY 222-037 (EPO)	3,022	78101548.2	JAMES PALL CORP.	MULTI-CHAMBER ADSORBENT GAS FRACTIONATOR WITH NON-JAMMING EFFLUENT		GERMANY	GRANTED	12/04/78	5/2/84	12/3/98
GT. BRITAIN 222-037 (EPO)		78101548.2	JAMES PALL CORP.	SHUTTLE VALVE FOR HA DYER		GT. BRITAIN	GRANTED	12/04/78		

PATENT

PATENT/PATENT APPLICATIONS/TRADENAME ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** HOLLAND 222-037 (EPO)		78101548.2	JAMES PALL CORP.	SHUTTLE VALVES FOR HA DRYERS		HOLLAND	GRANTED	12/04/78		
** SWEDEN 222-037 (EPO)		78101548.2	JAMES PALL CORP.	SHUTTLE VALVE FOR HA DRYER		SWEDEN	GRANTED	12/04/78		
** SWITZERLAND 222-037 (EPO)		78101548.2	JAMES PALL CORP.	SHUTTLE VALVE FOR HA DRYER		SWITZERLAND	GRANTED	12/04/78		
** EPO 222-037 EPO 84/18		78101548.2	JAMES SEIBERT	MULTI-CHAMBER ADSORBENT GAS FRACTIONATOR W/NON-JAMMING EFFLUENT		EPO	GRANTED	10/11/83	05/02/84	
222-042	4,312,640		JAMES M. VERRANDO	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS (MICROWAVE		US	GRANTED			01/26/82

PATENT

REEL: 012014 FRAME: 0889

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** ARGENTINA 222-042	221,528	280,252	JAMES VERRAND	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		ARGENTINA	GRANTED	03/10/80	02/13/81	
** AUSTRALIA 222-042	531,737	56,327/80	JAMES VERRAND	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		AUSTRALIA	GRANTED	03/11/80	01/26/84	
** CANADA 222-042	1,136,062	347,445	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		CANADA	GRANTED	07/11/80	11/23/82	
** DENMARK 222-042		1046/80	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		DENMARK	PENDING	03/11/80		

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
GT. BRITAIN 222-042	0016385	80101174.3	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		GT. BRITAIN	GRANTED	03/07/80		
ITALY 222-042	0013964	8101174.3	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		ITALY	GRANTED	03/07/80	02/23/83	
JAPAN 222-042		30844/80	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		JAPAN	PENDING	03/11/80		

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** MEXICO 222-042		181,532	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		MEXICO	PENDING	03/12/80		
** NORWAY 222-042	150,825	800,695	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		NORWAY	GRANTED	03/11/80	2/6/85	
** PORTUGAL 222-042	70,937	70,937	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		PORTUGAL	GRANTED	03/12/80	02/16/81	
** S. AFRICA 222-042	80/1410	80/1410	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		S. AFRICA	GRANTED	03/11/80		
** FRANCE 222-042	16385	80101174.3	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		FRANCE	GRANTED	03/07/80		

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PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** GERMANY 222-042 (EPO)	3,062,104	80101174.3	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		GERMANY	GRANTED	03/07/80	02/23/83	
** HOLLAND 222-042 (EPO)	16385	80101174.3	JAMES PALL CORP.	HEAT REACTAVATABLE ADSORBENT GAS FRACTIONATOR		HOLLAND	GRANTED	03/07/80		
** SWEDEN 222-042 (EPO)	0016385	79103142.0	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		SWEDEN	GRANTED	08/27/79	02/23/83	
** SWITZERLAND 222-042 (EPO)	006385	791033142.0	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		SWITZERLAND	GRANTED	08/27/79		
** EPO 222-042 EPO	0016385	80101174.3	JAMES VERRANDO	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		EPO	GRANTED	03/07/80	02/23/83	

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PATENT/PATENT APPLICATIONS/TRADENAME ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** AUSTRIA 222-042 EPO 0016385		801011174.3	JAMES PALL CORP	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		AUSTRIA	GRANTED	03/07/80		
** BELGIUM 222-042 EPO 0016385		P18001425	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		BELGIUM	GRANTED	03/11/80		

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PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** US 222-045	4,312,641		JAMES H. VERRANDO	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS (MICROWAVE		US	GRANTED		01/26/82	
** ARGENTINA 222-045	223,712	281,191	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		ARGENTINA	GRANTED	05/26/80	09/15/81	
** AUSTRALIA 222-045	531,741	58,723/80	JAMES VERRANDO	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		AUSTRALIA	GRANTED	05/23/80	01/25/84	05/23/96
** BRAZIL 222-045	P18003269	P18003269	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		BRAZIL	GRANTED	05/26/80	06/25/85	05/26/95

PATENT

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** CANADA 222-045	1,139,241	352,633	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		CANADA	GRANTED	05/23/80	01/11/83	
** DENMARK 222-045		2279/80	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		DENMARK	PENDING	05/23/80		
** FRANCE 222-045	0019879	80102891.1	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		FRANCE	GRANTED		05/23/80	05/23/00

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PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** ITALY 222-045	0019879	80102891	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		ITALY	GRANTED		05/23/80	05/23/00
** MEXICO 222-045		182,507	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		MEXICO	PENDING	05/26/80		
** NORWAY 222-045	154,419	80/1555	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		NORWAY	GRANTED	05/23/80	09/17/86	
** PORTUGAL 222-045	71,469	71,469	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		PORTUGAL	GRANTED	05/26/80	05/27/81	05/27/96
** S. AFRICA 222-045	80/3105	80/3105	JAMES VERRANDO ET AL	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		S. AFRICA	GRANTED	05/23/80	04/29/80	

PATENT

REEL: 012014 FRAME: 0897

01/19/80

PATENT/PATENT APPLICATIONS/TRADENAME ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** SPAIN 222-045	491,802	491,802	JAMES PALL CORP.	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		SPAIN	GRANTED	05/23/80	03/04/82	
** SWEDEN 222-045		80102891.1	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		SWEDEN	GRANTED		05/23/80	05/23/00
** GERMANY 222-045 (EPO)	3,063,440	80102591.1	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		GERMANY	GRANTED	05/23/80		05/23/00
** GT. BRITAIN 222-045 (EPO)	0019879		JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		GT. BRITAIN	GRANTED		05/23/80	05/23/00
** HOLLAND 222-045 (EPO)	0019879	80102891.1	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		HOLLAND	GRANTED		05/23/80	05/23/00

01/19/88

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** SWITZERLAND 222-045 0019879 (EPO)		80102891.1	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		SWITZERLAND	GRANTED		05/25/80	05/23/00
** EPO 222-045 EPO 0019879		80102891.1	JAMES VERRANDO	HEAT-REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		EPO	GRANTED	05/23/80	05/25/83	
** AUSTRIA 222-045 EPO 0019879		80102891.1	JAMES PALL CORP	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		AUSTRIA	GRANTED	05/23/80		
** BELGIUM 222-045 EPO 0019879		80102891.1	JAMES PALL CORP.	HEAT REACTIVATABLE ADSORBENT GAS FRACTIONATOR & PROCESS		BELGIUM	GRANTED	11/23/79		

PATENT

REEL: 012014 FRAME: 0899

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE #	PATENT #	SERIAL #	ATTNY APPLICANT(S)	DESCRIPTION	RELATED CASES	COUNTRY	STATUS	FILED	ISSUED	EXPIRES
** US 13860	4,479,815	473,855	MEP TINKER ET AL	PNEUMATIC CONTROLLER AND ALARM FOR ADSORBENT FRACTIONATORS (eg, DESS)		US	GRANTED	3/9/83		10/30/01
14081	4,496,940	339,686	JPB CHRISTEL	SYSTEM FOR DETECTING HEATING ELEMENT FAILURES		US	GRANTED	01/15/82	01/29/85	
22237		043,631	JOF SETTLEMEYER	DRYER REGENERATION THROUGH HEAT OF COMPRESSION AND PRESSURE SWING		US	PENDING	04/28/87		

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

CASE NO.	COUNTRY	TRADEMARK	FILE DATE	ISSUE DATE	STATUS
26095	ARGENTINA	DECADE III	1-4-80	4-28-80	I
26343	ARGENTINA	HEAT-LES	4-3-63	2-12-85	I
26002	AUSTRALIA	AMLOC	3-31-80	12-20-82	I
26849	AUSTRALIA	DECADE III		1-9-80	I
26344	AUSTRALIA	HEAT-LES	12-19-62		A
26401	AUSTRALIA	OCS	11-21-81	11-21-81	I
26003	BENELUX	AMLOC	3-27-80	10-21-80	I
26096	BENELUX	DECADE III	1-9-80	6-20-80	I
26346	BENELUX	HEAT-LES		5-18-71	I
26402	BENELUX	OCS	11-19-81	6-18-82	I
26541	BENELUX	PHARM-AIR	12-29-78	7-6-79	I
26345	BELGIUM	HEAT-LES		1-21-63	E
26097	BRAZIL	DECADE III	1-14-80	10-5-82	I
26347	BRAZIL	HEAT-LES		2-20-69	I
26542	BRAZIL	PHARM-AIR	1-4-79	1-25-80	I
26004	CANADA	AMLOC	6-27-67	7-12-68	I
26098	CANADA	DECADE III	1-4-80	3-5-82	I
26348	CANADA	HEAT-LES	12-21-62	2-10-67	I
26403	CANADA	OCS	11-21-81	03-31-83	I
26543	CANADA	PHARM-AIR	12-28-78	6-27-80	I
26005	DENMARK	AMLOC	4-9-80	10-2-81	I
26099	DENMARK	DECADE III	1-9-80	9-5-80	I
26006	FINLAND	AMLOC	3-28-80	1-5-83	I
26100	FINLAND	DECADE III	1-3-80	5-5-82	I
26007	FRANCE	AMLOC	7-6-67	6-22-77	I
26349	FRANCE	HEAT-LES			I
26405	FRANCE	OCS	11-17-81	11-17-81	I
26544	FRANCE	PHARM-AIR	12-27-79		I
26350	FRAN/ITALY	HEAT-LES	1-15-63		E
26009	GR. BRIT.	AMLOC	8-18-67	8-18-67	I
26019	GR. BRIT.	AQUADEX	8-30-72	6-25-73	I
26101	GR. BRIT.	DECADE III	7-16-79	7-16-79	I
26352	GR. BRIT.	HEAT-LES	1-10-73	1-10-73	I
26353	GR. BRIT.	HEAT-LES	12-27-62		A
26546	GR. BRIT.	PHARM-AIR	1-5-79	6-3-82	I
26850	INDIA	DECADE III	1-14-80	1-14-80	I
26355	INDIA	HEAT-LES	12-28-62		A
26549	ISRAEL	PHARM-AIR	12-31-78	10-18-81	I
26010	ITALY	AMLOC	7-6-67	7-6-67	I
26103	ITALY	DECADE III	1-9-80		P

I = ISSUED A = ABANDONED P = PENDING E = EXPIRED

PATENT/PATENT APPLICATIONS/TRADEMARK ASSIGNMENT

<u>CASE NO.</u>	<u>COUNTRY</u>	<u>TRADEMARK</u>	<u>FILE DATE</u>	<u>ISSUE DATE</u>	<u>STATUS</u>
26356	ITALY	HEAT-LES	4-28-83	4-28-83	P
26408	ITALY	OCS	11-24-81		P
26548	ITALY	PHARM-AIR	1-4-79	10-24-85	I
26104	JAPAN	DECADE III	1-11-80	1-23-85	I
26409	JAPAN	OCS	12-2-81		A
26547	JAPAN	PHARM-AIR	1-5-79		P
26011	MEXICO	AMLOC	3-20-79	3-20-79	E
26012	MEXICO	AMLOC	5-30-83	5-30-83	E
26106	MEXICO	DECADE III	1-8-80	1-8-80	E
26357	MEXICO	HEAT-LES	5-30-83	5-30-83	E
26354	NLD	HEAT-LES	12-19-62	12-19-63	E
26013	NORWAY	AMLOC	3-27-80	3-5-81	I
26107	NORWAY	DECADE III	1-2-80	4-9-81	I
26410	NORWAY	OCS	11-10-81	12-20-94	I
26411	PORTUGAL	OCS	11-18-81		P
26108	S.AFRICA	DECADE III	1-9-80	1-9-80	I
26358	S.AFRICA	HEAT-LES	12-14-62	12-14-62	I
26412	S.AFRICA	OCS	11-18-81	11-18-81	I
26551	S.AFRICA	PHARM-AIR	12-27-78	5-9-80	I
26014	SPAIN	AMLOC	4-9-80	11-5-80	I
26109	SPAIN	DECADE III	1-11-80	7-21-80	I
26359	SPAIN	HEAT-LES	9-11-64	9-11-64	I
26550	SPAIN	PHARM-AIR	1-4-79	6-5-79	I
26015	SWEDEN	AMLOC	3-27-80	2-20-81	I
26110	SWEDEN	DECADE III	1-8-80	9-26-80	I
26360	SWEDEN	HEAT-LES	12-20-62	11-8-63	I
26414	SWEDEN	OCS	11-17-81	11-9-84	I
26552	SWEDEN	PHARM-AIR	12-22-78	8-3-79	I
26016	SWITZERLAND	AMLOC	3-26-80	3-26-80	I
26111	SWITZERLAND	DECADE III	1-9-80	10-22-80	I
26361	SWITZERLAND	HEAT-LES	12-27-62	2-4-63	I
26553	SWITZERLAND	PHARM-AIR	12-27-78	12-27-78	I
26112	TAIWAN	DECADE III	2-25-80	8-16-80	I
26362	USSR	HEAT-LES	2-27-76	5-28-79	E
26008	W.GERMANY	AMLOC	6-30-67		I
26102	W.GERMANY	DECADE III	1-8-80		A
26351	W.GERMANY	HEAT-LES	12-24-62	12-24-62	I
26545	W.GERMANY	PHARM-AIR	12-29-78	10-11-79	I
26833	USA	AMLOC	9-13-65	2-21-67	I
26018	USA	AQUADEX	7-10-64	3-23-65	I
26094	USA	DECADE III	7-16-79	12-30-80	I
22072	USA	HEAT-LES	4-30-86	6-9-87	I
26400	USA	OCS	6-4-81	8-10-87	I
26540	USA	PHARM-AIR	7-5-78	5-15-79	I

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