

04-01-2002
102038026

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

1. Name of conveying party(ies):
Imperial Chemical Industries PLC

3-19-02

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

3. Nature of conveyance:

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

Execution Date: January 9, 2001

2. Name and address of receiving party(ies)

Name: Ineos Fluor Holdings Limited

Internal Address: First Floor Offices

Queens Gate

Street Address: 15-17 Queens Terrace

Southampton

City: Hampshire State: _____ Zip: S014 3BP

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) 09/254,500
08/817,735
09/077,273

B. Patent No.(s) 6,160,188
6,034,288
6,111,151

Additional numbers attached? ☒ Yes ☐ No

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

Name: Andrew G. Kolomayets

Internal Address: _____

Cook, Alex, McFarron, Manzo, Cummings

& Mehler, Ltd.

Street Address: 200 West Adams Street - #2850

City: Chicago State: IL Zip: 60606

6. Total number of applications and patents involved: 29

7. Total fee (37 CFR 3.41).....\$ 1,160.00

- ☒ Enclosed
☒ Authorized to be charged to deposit account for additional fee, if necessary.

8. Deposit account number:

50/1039

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Andrew G. Kolomayets

Name of Person Signing

Andrew G. Kolomayets
Signature

March 11, 2002

Date

03/29/2002 DBYRNE 00000208 09254500

Total number of pages including cover sheet, attachments, and documents: 127

1160.00 All documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

RECORDATION FORM COVER SHEET

PAGE 2 OF 2

Continuation of Item 4:

A. Patent Application No.(s)

08/849,492

09/654,817

09/654,805

09/654,746

09/654,816

09/655,631

09/242,809

B. Patent No.(s)

6,107,529

6,127,586

5,898,088

6,270,742

6,214,252

6,224,847

6,194,621

5,990,359

5,763,707

5,928,479

5,962,753

5,968,368

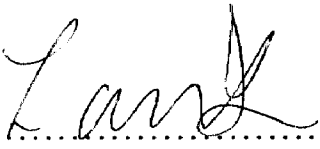
5,824,225

5,763,704

5,672,786

5,741,748

I, Ian Mark Dee, of 10 Tennis Mews, The Park, Nottingham, England, a Chartered Patent Attorney, European Patent Attorney and Partner in the firm of Eric Potter Clarkson hereby certify that the attached is a true copy of the assignment document.


.....

(Ian M Dee)

25 February 2002
.....

(date)

DATED 9 January 2001

IMPERIAL CHEMICAL INDUSTRIES PLC

and

INEOS FLUOR HOLDINGS LIMITED

**GLOBAL DEED OF ASSIGNMENT
OF NON-UK PATENTS RELATING TO
THE KESTREL BUSINESS**

Rowe & Maw
20 Black Friars Lane
London EC4V 6HD

Tel: 020 7248 4282
Fax: 020 7248 2009

Ref: 259/23793.88

THIS AGREEMENT is made on 9 January 2001 BETWEEN:

- (1) IMPERIAL CHEMICAL INDUSTRIES PLC (registered number 218019) a company incorporated under the laws of England whose registered office is at Imperial Chemical House, Millbank, London, SW1P 3JF ("Assignor");
- (2) INEOS FLUOR HOLDINGS LIMITED (registered number 04049690) a company incorporated under the laws of England whose registered office is at First Floor Offices, Queens Gate, 15-17 Queens Terrace, Southampton, Hampshire, SO14 3BP ("Assignee").

WHEREAS:

- (A) Pursuant to the "Master Sale and Purchase Agreement" dated 5 December 2000 between Imperial Chemical Industries PLC, Valueclip Limited, Totalalpha Limited, Webrate Limited and Mawlaw 519 Limited, the Assignor is to assign certain intellectual property rights to the Assignee.
- (B) It is the intention of the parties that this assignment be made as a Deed.

1. INTERPRETATION

- (1) "Affiliate" means in relation to any party, any subsidiary undertaking or parent undertaking of that party or any other subsidiary undertaking of that parent undertaking for the time being;

"Assignee Group" means the Assignee and its Affiliates from time to time;

"Assignor Group" means the Assignor and its Affiliates from time to time;

"Kestrel Business Registered IPR" means the patents, registered designs, design patents and applications therefor listed in the Schedule to this assignment;

"Third Party" means any entity other than the Assignor Group or the Assignee Group; and

"Third Party Rights" means those rights in, or obligations in connection with, the Kestrel Business Registered IPR that have been granted to or entered into in favour of Third Parties by the Assignor Group.

- (2) Words importing the singular shall include the plural, and vice versa; words describing persons shall include bodies corporate and unincorporated associations of persons and vice versa.
- (3) Unless indicated to the contrary, words and expressions used in this assignment which are defined in the Companies Act 1985 (as amended) shall have the same meaning as given in the Companies Act 1985 (as amended).
- (4) Sub-paragraphs (1) to (3) apply unless the contrary intention appears.
- (5) The headings in this assignment do not affect its interpretation.

2. ASSIGNMENT

- (1) With effect from Completion (as defined in the Master Sale and Purchase Agreement) occurring in relation to the right in question and in consideration of £630,000.00 (six hundred

and thirty thousand pounds) (receipt of which is hereby acknowledged) the Assignor hereby assigns and transfers all its title and interest in and to the Kestrel Business Registered IPR to hold the same unto the Assignee and its permitted assigns absolutely.

- (2) This assignment includes the right of the Assignee to bring action and claim relief in respect of any infringement or unauthorised use of the Kestrel Business Registered IPR which may have occurred before the date of the assignment.
- (3) This assignment includes the right to file applications in all countries throughout the world, corresponding to or based on any of the applications or registrations comprised within the Kestrel Business Registered IPR and to claim priority from those applications (if appropriate) and to obtain in the name of the Assignee any patents or similar protection.
- (4) The Assignor agrees to and shall procure that the appropriate member of the Assignor Group shall:
 - (a) at the request of the Assignee and on not less than 30 days' notice and no later than 6 (six) months after the date of this assignment, make available for collection its files (or to procure that its Affiliates make available their files) and records (including those in the possession of its agents, if any) relating to the filing, prosecution and maintenance of any Kestrel Business Registered IPR;
 - (b) at the request and expense of the Assignee, execute any further documents and do all things which may be necessary to enable the Assignee to record the assignment of the Kestrel Business Registered IPR in the records of any relevant register anywhere in the world including entering into bare assignments; and
 - (c) at the request and expense of the Assignee provide all reasonable assistance which the Assignee reasonably considers necessary in connection with bringing or defending any proceedings in relation to the Kestrel Business Registered IPR, including providing evidence which, at the time the request is received is in the possession, custody or control of any member of the Assignor Group about the creation or ownership of the Kestrel Business Registered IPR.
- (5) Both the Assignor and the Assignee shall, and shall procure that their Affiliates shall, from time to time, so far as reasonably able, do or procure all things as may be required to give effect to this assignment, including, without limitation, the execution of all deeds and documents, procuring the convening of all meetings, the giving of all necessary waivers and consents and the passing of all resolutions and otherwise exercising all powers and rights available to them.
- (6) In the absence of specific agreement to the contrary, the Assignee shall be responsible for all costs and expenses incurred by the relevant members of the Assignor Group in giving effect to the provisions of subclause (5).

3. THIRD PARTY RIGHTS

This assignment is made with full title guarantee subject to Third Party Rights existing at the date of the agreement to which recital A refers but otherwise free from all liens, charges, encumbrances and other rights exercisable by Third Parties.

4. GOVERNING LAW

This assignment is governed by and shall be construed in accordance with English law.

5. JURISDICTION

The Assignee submits to the jurisdiction of the English courts for all purposes relating to this assignment.

IN WITNESS whereof this deed has been executed by the parties hereto and is intended to be and is hereby delivered on the date first above written.

SCHEDULE

Kestrel Business Registered IPR – Non UK

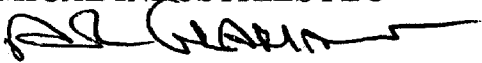
Patents

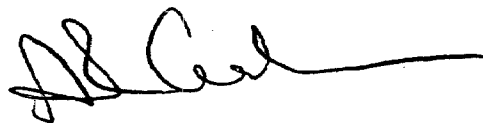
See attached list

Registered Designs/Design Patents

Assignor:

Executed as a deed under a duly authorised power)
of attorney for and on behalf of IMPERIAL)
CHEMICAL INDUSTRIES PLC)

)
.....)



Assignee:

SIGNED as a deed)

By A C CURRIE)

Director, and J REECE)

Director/Secretary, duly)

Authorised for and on behalf of)

INEOS FLUOR HOLDINGS LIMITED)




Family No. : 29573

Base Application Data :

Descriptive Title : PROCESS FOR MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY THE VAPOUR-
PHASE HYDROGENATION OF 1,2-DICHLORO-1,1,2,2

Official Title : PROCESS FOR MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY THE VAPOUR-PHASE HYDROGENATION OF 1,2-DICHLORO-1,1,2,2
-TETRAFLUOROETHANE/2,2-DICHLORO-1,1,1,2- TETRAFLUOROETHANE IN THE PRESENCE OF A PALLADIUM CATALYST

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Spain	470170 24 May 1978 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		470170 16 Dec 1980	16 Dec 2000		GRANTED

Family No. : 32978

Descriptive Title : HEAT PUMPS

Base Application Data :

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada	471561 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	04-Jan-1986	124297 06-Nov-1986	06-Nov-2005		GRANTED

To be abandoned

Family No. : 35145

Base Application Data :

Descriptive Title : A FLAME EXTINGUISHING COMPOSITION COMPRISING AT LEAST ONE FLAME
EXTINGUISHING COMPOUND SELECTED FROM BROMODIFLUOROMETHANE AND/OR A+

Official Title : A FLAME EXTINGUISHING COMPOSITION COMPRISING AT LEAST ONE FLAME EXTINGUISHING COMPOUND SELECTED FROM BROMODIFLUOROMETHANE AND/OR A
HALOETHANE COMPRISING FIVE HALOGEN SUBSTITUENTS SELECTED FROM CL, BR, AND F AND A SINGLE HYDROGEN ATOM IN THE MOLECULE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
U.S.A.	479242 13 Feb 1998 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING To be abandoned
U.S.A.	2 998750/87 06 Jul 1992 APPLICANT: Miscellaneous Inventors					PENDING To be abandoned

Family No. : 35681

Base Application Data :

Descriptive Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING
1,1,1-TRIFLUORO-2-CHLOROETHANE IN A FIRST REACTOR, PASSING TOTAL+

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia	73915/91 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 06 Jan 1994	645088 22 Apr 1994	28 Mar 2011	28 Mar 2001	GRANTED
Belgium [EP]	91302703.3 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
Brazil	PI9101470 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 24 Nov 1992	PI9101470-0 29 Dec 1998	11 Apr 2011	11 Apr 2001	GRANTED
Canada	2038269-0 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 30 Sep 1991			27 Mar 2001	PENDING
Switzerland [EP]	91302703.3 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
China	91105555.X APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 18 Mar 1992	34313 27 May 1996	29 Mar 2006	29 Mar 2001	GRANTED
Germany [EP]	91302703.3 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
Denmark [EP]	91302703.3 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
Spain [EP]	91302703.3 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449617 A2 02 Oct 1991	2080890 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
France [EP]	91302703.3 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0505

Family No. : 35881

Base Application Data :

Descriptive Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING
1,1,1-TRIFLUORO-2-CHLOROETHANE IN A FIRST REACTOR, PASSING TOTAL*

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom [EP]	91002700.3 27 Mar 1991	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Greece [EP]	91302703.3 27 Mar 1991	449617 A2 02 Oct 1991	950403482 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Indonesia	P-000138 27 Aug 1991		0001158 28 Nov 1996	27 Aug 2011	28 Nov 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Ireland	1025/91 27 Mar 1991		71156 07 Jan 1997	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
India	265/DEL/91 01 Apr 1991		180814 12 Mar 1999	01 Apr 2005	01 Apr 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Italy [EP]	91302703.3 27 Mar 1991	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Japan	216767/91 29 Mar 1991	234824/92 24 Aug 1992	2843894 23 Oct 1998	29 Mar 2011	23 Oct 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
South Korea	5448/91 04 Apr 1991		171414 20 Oct 1998	04 Apr 2011	20 Oct 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Luxembourg [EP]	91302703.3 27 Mar 1991	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Mexico	25159 01 Apr 1991		172777 12 Jan 1984	01 Apr 2011	01 Apr 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Base Application Data :

Family No. : 35681

Descriptive Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING
1,1,1-TRIFLUORO-2-CHLOROETHANE IN A FIRST REACTOR, PASSING TOTAL*

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Malaysia	P19100509 28 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		106149/A 31 Mar 1995	31 Mar 2010	31 Mar 2001	GRANTED
Netherlands[EP]	91302703.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
Philippines	42231 01 Apr 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		28527 11 Oct 1994	11 Oct 2011	11 Oct 2000	GRANTED
Russian Fed.	4895156.04 29 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		2007381 15 Feb 1994	28 Mar 2011	29 Mar 2001	GRANTED
Sweden [EP]	91302703.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449617 A2 02 Oct 1991	00449617 20 Dec 1995	27 Mar 2011	27 Mar 2001	GRANTED
U.S.A.	7 683402/08 18 Jul 1996 APPLICANT : Miscellaneous Inventors		5744658 28 Apr 1998	29 Mar 2011	28 Oct 2001	GRANTED
U.S.A.	755551/07 05 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		5243107 07 Sep 1993	29 Mar 2011	07 Mar 2001	GRANTED
U.S.A.	5 83691/08 30 Jun 1993 APPLICANT : Miscellaneous Inventors		5382722 17 Jan 1995	07 Sep 2010	17 Jul 2002	GRANTED
U.S.A.	6 305304/08 15 Sep 1994 APPLICANT : Miscellaneous Inventors		5559276 24 Sep 1996	29 Mar 2011	24 Mar 2004	GRANTED

PATENT

REEL: 012721 FRAME: 0507

Base Application Data :

Family No. : 35681A

Descriptive Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING TRICHLOROETHYLENE UNDER PRESSURE IN A FIRST REACTION ZONE TO PRODUCE

Official Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING TRICHLOROETHYLENE UNDER PRESSURE IN A FIRST REACTION ZONE TO PRODUCE 1,1,1-TRIFLUORO-2-CHLOROETHANE AND PASSING THE PRODUCT STREAM TO A SECOND REACTION ZONE IN WHICH THE 1,1,1-TRIFLUORO-2-CHLOROETHANE IS FLUORINATED TO PRODUCE 1,1,1,2-TETRA- FLUOROETHANE. THE TWO REACTION ZONES MAY BE LOCATED IN A SINGLE REACTION VESSEL.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria [EP]	91302699.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449614 A2 02 Oct 1991	E112251 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
Australia	83643/91 04 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 19 May 1994	649265 06 Sep 1994	04 Sep 2011	04 Sep 2000	GRANTED
Belgium [EP]	91302699.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449614 A2 02 Oct 1991	00449614 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
Brazil	P19101284 01 Apr 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	05 Nov 1991	P19101284 29 Dec 1998	01 Apr 2011	01 Apr 2001	GRANTED
Canada	2039196-1 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 30 Sep 1991			27 Mar 2001	PENDING
Switzerland [EP]	91302699.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449614 A2 02 Oct 1991	00449614 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
China	91102797.1 28 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 25 Dec 1991	29214 20 Nov 1994	28 Mar 2006	28 Mar 2001	GRANTED
Germany [EP]	91302699.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449614 A2 02 Oct 1991	P69104253.5 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
Denmark [EP]	91302699.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449614 A2 02 Oct 1991	00449614 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
Spain [EP]	91302699.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449614 A2 02 Oct 1991	2081176 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED

PATENT

Base Application Data :

Family No. : 35681A

Descriptive Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING

TRICHLOROETHYLENE UNDER PRESSURE IN A FIRST REACTION ZONE TO PRODUCE+

Official Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING TRICHLOROETHYLENE UNDER PRESSURE IN A FIRST REACTION ZONE TO PRODUCE
1,1,1-TRIFLUORO-2-CHLOROETHANE AND PASSING THE PRODUCT STREAM TO A SECOND REACTION ZONE IN WHICH THE 1,1,1-TRIFLUORO-2-CHLOROETHANE IS
FLUORINATED TO PRODUCE 1,1,1,2-TETRA- FLUOROETHANE. THE TWO REACTION ZONES MAY BE LOCATED IN A SINGLE REACTION VESSEL.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
France [EP]	91302699.3 27 Mar 1991	449614 A2 02 Oct 1991	00449614 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Kingdom [EP] 91302699.3 27 Mar 1991						
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Greece [EP]	91302699.3 27 Mar 1991	0449614 02 Oct 1991	930403704 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Ireland	1032/91 27 Mar 1991		0065626 17 Oct 1995	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
India	261/DEL/91 27 Mar 1991					PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Italy [EP]	91302699.3 27 Mar 1991	449614 A2 02 Oct 1991	00449614 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Japan	216766/91 29 Mar 1991	234823/92 24 Aug 1992	2843693 23 Oct 1998	29 Mar 2011	23 Oct 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
South Korea	4980/91 29 Mar 1991		156256 21 Jul 1998	29 Mar 2011	21 Jul 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Netherlands [EP]	91302699.3 27 Mar 1991	449614 A2 02 Oct 1991	00449614 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Russian Fed.	4895126.04 28 Mar 1991		2015957 15 Jul 1994	29 Mar 2011	29 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

PATENT

REEL: 012721 FRAME: 0509

Base Application Data :

Family No. : 35681A

Descriptive Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING

TRICHLOROETHYLENE UNDER PRESSURE IN A FIRST REACTION ZONE TO PRODUCE*

Official Title : MANUFACTURE OF 1,1,1,2-TETRAFLUOROETHANE BY FLUORINATING TRICHLOROETHYLENE UNDER PRESSURE IN A FIRST REACTION ZONE TO PRODUCE
 1,1,1-TRIFLUORO-2-CHLOROETHANE AND PASSING THE PRODUCT STREAM TO A SECOND REACTION ZONE IN WHICH THE 1,1,1-TRIFLUORO-2-CHLOROETHANE IS
 FLUORINATED TO PRODUCE 1,1,1,2-TETRA- FLUOROETHANE. THE TWO REACTION ZONES MAY BE LOCATED IN A SINGLE REACTION VESSEL.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Sweden [EP]	91302699.3 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	449614 A2 02 Oct 1991	00449614 28 Sep 1994	27 Mar 2011	27 Mar 2001	GRANTED
S.A.	2 804550/07 11 Dec 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		5243105 07 Sep 1993	28 Mar 2011	07 Mar 2001	GRANTED
S.A.	3 11537/08 01 Feb 1993 APPLICANT : Miscellaneous Inventors		5395996 07 Mar 1995	07 Sep 2010	07 Sep 2002	GRANTED
South Africa	2 917441 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		917441 24 Jun 1992	27 Mar 2011	27 Mar 2001	GRANTED
South Africa	9172332 27 Mar 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	29 Sep 1991	9172332 26 Feb 1992	27 Mar 2011	27 Mar 2001	GRANTED

Family No. : 35814

Base Application Data :

Descriptive Title : SEPARATION OF 1,1,1,2-TETRAFLUOROETHANE (R134A) FROM HYDROGEN FLUORIDE BY USING A PAIR OF DISTILLATION COLUMNS IN CONJUNCTION WITH+

Official Title : SEPARATION OF 1,1,1,2-TETRAFLUOROETHANE (R134A) FROM HYDROGEN FLUORIDE BY USING A PAIR OF DISTILLATION COLUMNS IN CONJUNCTION WITH A LIQUID-LIQUID SEPARATOR.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Belgium [EP]	91305504.2 18 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	467531 A1 22 Jan 1992	00467531 05 Oct 1994	18 Jun 2011	18 Jun 2000	GRANTED
Canada	2045753-8 28 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 05 Jan 1992			26 Jun 2000	PENDING
China	91105318.2 04 Jul 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 03 Jun 1992	29977 23 Oct 1994	04 Jul 2006	04 Jul 2000	GRANTED
Germany [EP]	91305504.2 18 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	467531 A1 22 Jan 1992	P69104428.0 05 Oct 1994	18 Jun 2011	18 Jun 2000	GRANTED
Spain [EP]	91305504.2 18 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	467531 A1 22 Jan 1992	2062687 05 Oct 1994	18 Jun 2011	18 Jun 2000	GRANTED
France [EP]	91305504.2 18 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	467531 A1 22 Jan 1992	00467531 05 Oct 1994	18 Jun 2011	18 Jun 2000	GRANTED
United Kingdom [EP]	91069504.2 18 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	467531 A1 22 Jan 1992	00467531 05 Oct 1994	18 Jun 2011	18 Jun 2000	GRANTED
Greece [EP]	940402539 18 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	467531 A1 22 Jan 1992	940402539 05 Oct 1994	18 Jun 2011	18 Jun 2000	GRANTED
Ireland	2131/81 20 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		0065829 17 Oct 1995	20 Jun 2011	20 Jun 2000	GRANTED
India	561/DEL/91 26 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING

PATENT

REEL: 012721 FRAME: 0511

Base Application Data :

Family No. : 35814

Descriptive Title : SEPARATION OF 1,1,1,2-TETRAFLUOROETHANE (R134A) FROM HYDROGEN FLUORIDE BY USING A PAIR OF DISTILLATION COLUMNS IN CONJUNCTION WITH A

Official Title : SEPARATION OF 1,1,1,2-TETRAFLUOROETHANE (R134A) FROM HYDROGEN FLUORIDE BY USING A PAIR OF DISTILLATION COLUMNS IN CONJUNCTION WITH A LIQUID-LIQUID SEPARATOR.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Italy [EP]	91305504.2 18 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	467531 A1 22 Jan 1992	00467531 05 Oct 1994	18 Jun 2011	18 Jun 2000	GRANTED
Japan	162893/91 03 Jul 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	4-261126 17 Sep 1992	2680845 01 Aug 1997	03 Jul 2011	01 Aug 2000	GRANTED
South Korea	11297/91 04 Jul 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		220439 22 Jun 1999	04 Jul 2011	22 Jun 2002	GRANTED
Mexico	9126432 27 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Malaysia	PI9101214 04 Jul 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		MY106547A 30 Jun 1995	30 Jun 2010	30 Jun 2000	GRANTED
Netherlands[EP]	91305504.2 18 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	467531 A1 22 Jan 1992	00467531 05 Oct 1994	18 Jun 2011	18 Jun 2000	GRANTED
Thailand	13850 03 Jul 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 01 Sep 1992				PENDING
U.S.A.	724927 02 Jul 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		5211020 18 May 1993	02 Jul 2011	18 Nov 2000	GRANTED
South Africa	91/4812 21 Jun 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	04 Jan 1992	91/4812 27 May 1992	21 Jun 2011	21 Jun 2000	GRANTED

PATENT

Base Application Data :

Family No. : 35927

Descriptive Title : REGENERATION OF SPENT FLUORINATION CATALYSTS BY CONTACT WITH AIT/HF MIXTURE AT ELEVATED TEMPERATURE

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Belgium [EP]	91308191.5 06 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	475693 A1 18 Mar 1992	0475693 13 Dec 1995	06 Sep 2011	06 Sep 2000	GRANTED
Canada	2051292-0 13 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 15 Mar 1992			13 Sep 2000	PENDING
China	91109551.9 05 Oct 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 28 Apr 1993	45787 08 Apr 1999	05 Oct 2008	05 Oct 2000	GRANTED
Germany [EP]	91308191.5 06 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	475693 A1 18 Mar 1992	0475693 13 Dec 1995	06 Sep 2011	06 Sep 2000	GRANTED
Spain [EP]	91308191.5 06 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	475693 A1 18 Mar 1992	2080261 13 Dec 1995	06 Sep 2011	06 Sep 2000	GRANTED
France [EP]	91308191.5 06 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	475693 A1 18 Mar 1992	0475693 13 Dec 1995	06 Sep 2011	06 Sep 2000	GRANTED
United Kingdom [EP]	91308191.5 06 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	475693 A1 18 Mar 1992	0475693 13 Dec 1995	06 Sep 2011	06 Sep 2000	GRANTED
Ireland	3224/91 12 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		3224/91 03 Oct 1997	12 Sep 2011	12 Sep 2000	GRANTED
India	939/DEL/91 26 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Italy [EP]	91308191.5 06 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	475693 A1 18 Mar 1992	0475693 13 Dec 1995	06 Sep 2011	06 Sep 2000	GRANTED

Base Application Data :

Family No. : 35927

Descriptive Title : REGENERATION OF SPENT FLUORINATION CATALYSTS BY CONTACT WITH AIT/HF MIXTURE AT ELEVATED TEMPERATURE

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Japan	236461/91 17 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		2831175 25 Sep 1998	17 Sep 2011	25 Sep 2001	GRANTED
South Korea	18054/91 14 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		196486 22 Feb 1999	14 Sep 2011	22 Feb 2002	GRANTED
Luxembourg [EP]	91308181.5 06 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	475693 A1 18 Mar 1992	0475693 13 Dec 1995	06 Sep 2011	06 Sep 2000	GRANTED
Mexico	9101118 17 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		175860 28 Aug 1994	17 Sep 2011	17 Sep 2001	GRANTED
Malaysia	P19101756 27 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Netherlands[EP]	91308181.5 06 Sep 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	475693 A1 18 Mar 1992	0475693 13 Dec 1995	06 Sep 2011	06 Sep 2000	GRANTED
Russian Fed.	5010136.04 18 Oct 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		2037329 19 Jun 1996	18 Oct 2011	18 Oct 2000	GRANTED
Taiwan	80108955 15 Nov 1991 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		NI-57030 15 Oct 1992	15 Nov 2009	01 Jul 2000	GRANTED
U.S.A.	2 913998/07 17 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		5227350 13 Jul 1993	18 Sep 2011	13 Jan 2001	GRANTED

PATENT

Family No. : 36049

Descriptive Title : REFRIGERANT COMPOSITION COMPRISING MIXTURE OF COMPOUNDS SELECTED FROM
PERFLUOROPROPANE, CHLORODIFLUOROMETHANE AND PROPANE

Official Title :

Base Application Data :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Japan	303252/91 19 Nov 1991	186766/93 27 Jul 1983				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Family No. : 36050

Base Application Data :

Descriptive Title : REFRIGERANT COMPOSITION COMPRISING MIXTURE OF COMPOUNDS SELECTED FROM
PERFLUOROETHANE, ETHANE AND TRIFLUOROMETHANE.

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Japan	303240/81 19 Nov 1991	186765/93 27 Jul 1993				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Family No. : 36239

Descriptive Title : A FLUORINATION CATALYST COMPRISING AN ACTIVITY-PROMOTING AMOUNT OF A COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, +

Official Title : A FLUORINATION CATALYST COMPRISING AN ACTIVITY-PROMOTING AMOUNT OF A COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, HALOGENATED CHROMIA OR CHROMIUM OXYHALIDE SUPPORT AND ITS USE IN CATALYSING THE FLUORINATION OF HYDROCARBONS AND HALOGENATED HYDROCARBONS WITH HYDROGEN FLUORIDE.

Base Application Data :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	E140389 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Australia	10324/92 21 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	07 Sep 1992	658161 24 Jul 1995	21 Jan 2012	21 Jan 2001	GRANTED
Belgium [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502605 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Brazil	P19200361 04 Feb 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 10 Nov 1992			04 Feb 2001	PENDING
Canada	2059983-9 24 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 08 Sep 1992			24 Jan 2001	PENDING
Switzerland [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502605 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
China	2 95119633.5 24 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1130615 11 Sep 1996	51424 20 Nov 1999	24 Jan 2007	24 Jan 2001	GRANTED
Germany [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	P69212183.8 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Denmark [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502605 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
European (EPO)	2 95106618.2 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0666105 09 Aug 1995			23 Jan 2001	PENDING

PATENT

REEL: 012721 FRAME: 0517

Base Application Data :

Family No. : 36239

Descriptive Title : A FLUORINATION CATALYST COMPRISING AN ACTIVITY-PROMOTING AMOUNT OF A COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, *

Official Title : A FLUORINATION CATALYST COMPRISING AN ACTIVITY-PROMOTING AMOUNT OF A COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, HALOGENATED CHROMIA OR CHROMIUM OXYHALIDE SUPPORT AND ITS USE IN CATALYSING THE FLUORINATION OF HYDROCARBONS AND HALOGENATED HYDROCARBONS WITH HYDROGEN FLUORIDE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Japan [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	2062347 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
France [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502605 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
United Kingdom [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502605 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Greece [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	960402328 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Indonesia	P-002452 07 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 04 Feb 1993	0002876 20 Jul 1999	07 Mar 2012	20 Jul 2000	GRANTED
Ireland	163/92 20 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		75727 03 Sep 1987	20 Jan 2012	20 Jan 2001	GRANTED
India	47/DEL/92 21 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
India	2 3257/DEL/96 21 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Italy [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502605 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Japan	13203/92 28 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	22040063 31 Aug 1993				PENDING

Family No. : 36239

Base Application Data :

Descriptive Title : A FLUORINATION CATALYST COMPRISING AN ACTIVITY-PROMOTING AMOUNT OF A COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, +
COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, +

Official Title : A FLUORINATION CATALYST COMPRISING AN ACTIVITY-PROMOTING AMOUNT OF A COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, HALOGENATED CHROMIA OR CHROMIUM OXYHALIDE SUPPORT AND ITS USE IN CATALYSING THE FLUORINATION OF HYDROCARBONS AND HALOGENATED HYDROCARBONS WITH HYDROGEN FLUORIDE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
South Korea	3791/92 07 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		217353 04 Jun 1999	07 Mar 2012	04 Jun 2002	GRANTED
Luxembourg [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502805 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Mexico	9200998 06 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		177196 13 Mar 1995	06 Mar 2012	06 Mar 2001	GRANTED
Malaysia	P19200087 21 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		MY-108102-A15 Aug 1996	15 Aug 2011	15 Aug 2000	GRANTED
Netherlands [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502605 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Philippines	43804 21 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Russian Fed.	5010862.04 13 Feb 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		2032464 10 Apr 1995	13 Feb 2012	13 Feb 2001	GRANTED
Sweden [EP]	92300563.1 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	502605 A1 09 Sep 1992	0502805 17 Jul 1996	23 Jan 2012	23 Jan 2001	GRANTED
Singapore	9605039.8 23 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		50565 20 June 2000			PENDING GRANTED
Thailand	15352 28 Jan 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING

PATENT

Family No. : 36239

Base Application Data :

Descriptive Title : A FLUORINATION CATALYST COMPRISING AN ACTIVITY-PROMOTING AMOUNT OF A COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, *

Official Title : A FLUORINATION CATALYST COMPRISING AN ACTIVITY-PROMOTING AMOUNT OF A COMPOUND OF ZINC, NICKEL OR COBALT SUPPORTED ON A CHROMIA, HALOGENATED CHROMIA OR CHROMIUM OXYHALIDE SUPPORT AND ITS USE IN CATALYSING THE FLUORINATION OF HYDROCARBONS AND HALOGENATED HYDROCARBONS WITH HYDROGEN FLUORIDE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
S.A.	822278 21 Jan 1982 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		5281568 25 Jan 1994	21 Jan 2012	25 Jul 2001	GRANTED
S.A.	2 87379/08 08 Jul 1993 APPLICANT : Miscellaneous Inventors		5449656 12 Sep 1995	25 Jan 2011	12 Mar 2003	GRANTED
S.A.	3 377707/08 25 Jan 1995 APPLICANT : Miscellaneous Inventors		5623092 22 Apr 1997	28 Mar 2011	22 Oct 2000	GRANTED

Base Application Data :

Family No. : 36294

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE (HFA 32) BY REACTING XYCF₂, WHERE X AND Y ARE EACH H, CL OR BR BUT NOT BOTH H, WITH HYDROGEN AT ELEVATED*

Official Title : PRODUCTION OF DIFLUOROMETHANE (HFA 32) BY REACTING XYCF₂, WHERE X AND Y ARE EACH H, CL OR BR BUT NOT BOTH H, WITH HYDROGEN AT ELEVATED TEMPERATURE IN THE PRESENCE OF A HYDROGENATION CATALYST.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	E121716	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Belgium [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	0508660	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Canada	2086108-3 03 Apr 1992	UNKNOWN 12 Oct 1992			03 Apr 2001	PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Switzerland [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	0508660	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Germany [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	69292192.2 26 Apr 1995	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Denmark [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	0508660 23 Sep 1998	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Spain [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	2071422 26 Apr 1995	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
France [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	0508660 28 Apr 1995	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
United Kingdom [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	0508660 26 Apr 1995	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Greece [EP]	92302785.8 30 Mar 1992	508660 A1 14 Oct 1992	980402586 26 Apr 1995	30 Mar 2012	30 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					

AU to be
 abandoned

Family No. : 36294

Base Application Data :

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE (HFA 32) BY REACTING XYCF₂, WHERE X AND Y ARE EACH H, CL OR BR BUT NOT BOTH H, WITH HYDROGEN AT ELEVATED*

Official Title : PRODUCTION OF DIFLUOROMETHANE (HFA 32) BY REACTING XYCF₂, WHERE X AND Y ARE EACH H, CL OR BR BUT NOT BOTH H, WITH HYDROGEN AT ELEVATED TEMPERATURE IN THE PRESENCE OF A HYDROGENATION CATALYST.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
France (EP)	92302785.8 30 Mar 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	508660 A1 14 Oct 1992	0508660 28 Apr 1995	30 Mar 2012	30 Mar 2004	GRANTED
Japan	8879792 09 Apr 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	27027693 28 Oct 1993				PENDING
Netherlands (EP)	92302785.8 30 Mar 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	508660 A1 14 Oct 1992	0508660 28 Apr 1995	30 Mar 2012	30 Mar 2004	GRANTED
Spain (EP)	92302785.8 30 Mar 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	508660 A1 14 Oct 1992	0508660 28 Apr 1995	30 Mar 2012	30 Mar 2004	GRANTED
Netherlands (EP)	92302785.8 30 Mar 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	508660 A1 14 Oct 1992	0508660 28 Apr 1995	30 Mar 2012	30 Mar 2004	GRANTED
Portugal (EP)	92302785.8 30 Mar 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	508660 A1 14 Oct 1992	0508660 28 Apr 1995	30 Mar 2012	30 Mar 2004	GRANTED
Sweden (EP)	92302785.8 30 Mar 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	508660 A1 14 Oct 1992	0508660 28 Apr 1995	30 Mar 2012	30 Mar 2004	GRANTED
U.S.A.	884489/97 06 Apr 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
U.S.A.	136411/98 01 Oct 1999 APPLICANT: Miscellaneous Invents					PENDING
U.S.A.	352448/98 09 Dec 1994 APPLICANT: Miscellaneous Invents		5871360 02 Mar 1990	02 Mar 2016	02 Sep 2002	GRANTED

All to be abandoned

Abandoned

PATENT

Base Application Data :

Family No. : 36300

Descriptive Title : REFRIGERANT COMPOSITIONS COMPRISING A MIXTURE OF TETRAFLUOROETHANE AND/OR HEXAFLUOROPROPANE WITH DIFLUOROMETHANE AND/OR

Official Title : REFRIGERANT COMPOSITIONS COMPRISING A MIXTURE OF TETRAFLUOROETHANE AND/OR HEXAFLUOROPROPANE WITH DIFLUOROMETHANE AND/OR 1,1,1-TRIFLUOROETHANE AND OPTIONALLY PENTAFLUROETHANE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria [EP]	92302837.7 31 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	509673 A1 21 Oct 1992	E150067 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
Australia	13959/92 01 Apr 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	18 Oct 1992			01 Apr 2001	PENDING
Belgium [EP]	92302837.7 31 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
Brazil	PI9201403.8 15 Apr 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 01 Dec 1992	PI 9201403-8 10 Aug 1999	15 Apr 2012	15 Apr 2001	GRANTED
Canada	2065109-1 03 Apr 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 19 Oct 1992			03 Apr 2001	PENDING
Switzerland[EP]	92302837.7 31 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
Germany [EP]	92302837.7 31 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	509673 A1 21 Oct 1992	69218020.6 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
Denmark [EP]	92302837.7 31 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
Spain [EP]	92302837.7 31 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	509673 A1 21 Oct 1992	2098444 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
France [EP]	92302837.7 31 Mar 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED

PATENT

Base Application Data :

Family No. : 36300

Descriptive Title : REFRIGERANT COMPOSITIONS COMPRISING A MIXTURE OF TETRAFLUOROETHANE
 AND/OR HEXAFLUOROPROPANE WITH DIFLUOROMETHANE AND/OR

Official Title : REFRIGERANT COMPOSITIONS COMPRISING A MIXTURE OF TETRAFLUOROETHANE AND/OR HEXAFLUOROPROPANE WITH DIFLUOROMETHANE AND/OR
 1,1,1-TRIFLUOROETHANE AND OPTIONALLY PENTAFLUOROETHANE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom (EP)	92302837.7 31 Mar 1992	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Greece (EP)	92302837.7 31 Mar 1992	509673 A1 21 Oct 1992	970400481 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Italy (EP)	92302837.7 31 Mar 1992	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Japan	95389/92 15 Apr 1992	239450/93 17 Sep 1993				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
South Korea	5891/92 09 Apr 1992		227877 06 Aug 1999		06 Aug 2002	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Luxembourg (EP)	92302837.7 31 Mar 1992	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Netherlands (EP)	92302837.7 31 Mar 1992	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Portugal (EP)	92302837.7 31 Mar 1992	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Sweden (EP)	92302837.7 31 Mar 1992	509673 A1 21 Oct 1992	0509673 12 Mar 1997	31 Mar 2012	31 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
South Africa	92/2390 01 Apr 1992	18 Oct 1992	92/2390 30 Dec 1992	01 Apr 2012	01 Apr 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

PATENT

REEL: 012721 FRAME: 0524

Family No. : 36404

Base Application Data :

Descriptive Title : PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL)ETHER WHICH
COMPRISES REACTING FORMALDEHYDE AND HYDROGEN FLUORIDE IN THE VAPOUR+

Official Title : PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL)ETHER WHICH COMPRISES REACTING FORMALDEHYDE AND HYDROGEN FLUORIDE IN THE VAPOUR PHASE
AT ELEVATED TEMPERATURE, PREF. IN THE PRESENCE OF A CATALYST.
THE ETHER MAY BE CONVERTED TO DIFLUOROMETHANE BY HEATING, THEREBY PROVIDING A PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE FROM
FORMALDEHYDE AND HYDROGEN FLUORIDE INCLUDING THE STEP OF PRODUCING THE ETHER.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria [EP]	92304593.4 20 May 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518506 A2 16 Dec 1992	E157075 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
Australia	17219/82 28 May 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	14 Dec 1992	655022 23 Mar 1995	28 May 2012	28 May 2001	GRANTED
Belgium [EP]	92304593.4 20 May 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518506 A2 16 Dec 1992	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
Brazil	PI9202229 15 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 02 Feb 1993	019202229 5 September 2000	15 Jun 2012	15 Jun 2000	PENDING GRANTED
Canada	2070598-1 05 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 15 Dec 1992			05 Jun 2000	PENDING
Switzerland [EP]	92304593.4 20 May 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518506 A2 16 Dec 1992	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
China	92104614.6 12 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		41002 18 Apr 1998	12 Jun 2007	12 Jun 2000	GRANTED
China	97113884.2 12 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1186798 08 Jul 1998			12 Jun 2000	PENDING
Germany [EP]	92304593.4 20 May 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518506 A2 16 Dec 1992	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
Denmark [EP]	92304593.4 20 May 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518506 A2 16 Dec 1992	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0525

Family No. : 36404

Base Application Data :

Descriptive Title : PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL)ETHER WHICH
COMPRISES REACTING FORMALDEHYDE AND HYDROGEN FLUORIDE IN THE VAPOUR+

Official Title : PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL)ETHER WHICH COMPRISES REACTING FORMALDEHYDE AND HYDROGEN FLUORIDE IN THE VAPOUR PHASE
AT ELEVATED TEMPERATURE, PREF. IN THE PRESENCE OF A CATALYST.
THE ETHER MAY BE CONVERTED TO DIFLUOROMETHANE BY HEATING, THEREBY PROVIDING A PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE FROM
FORMALDEHYDE AND HYDROGEN FLUORIDE INCLUDING THE STEP OF PRODUCING THE ETHER.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Japan [EP]	92304593.4 20 May 1992	518506 A2 16 Dec 1992	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Greece [EP]	92304593.4 20 May 1992	518506 A2 16 Dec 1992	2106138 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
United Kingdom (EP)	92304593.4 20 May 1992	518506 A2 16 Dec 1992	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Greece [EP]	92304593.4 20 May 1992	518506 A2 16 Dec 1992	970402755 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Ireland	1842/92 01 Jul 1992					PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
India	448/DEL/92 25 May 1992					PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
India	2 1797/DEL/98 28 Jun 1998					PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Italy [EP]	92304593.4 20 May 1992	518506 A2 16 Dec 1992	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Japan	145603/92 05 Jun 1992	294856/93 09 Nov 1993				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
South Korea	10280/92 13 Jun 1992		239227 20 Oct 1999		20 Oct 2002	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

PATENT

REEL: 012721 FRAME: 0526

Base Application Data :

Family No. : 36404

Descriptive Title : PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL)ETHER WHICH
COMPRISES REACTING FORMALDEHYDE AND HYDROGEN FLUORIDE IN THE VAPOUR+

Official Title : PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL)ETHER WHICH COMPRISES REACTING FORMALDEHYDE AND HYDROGEN FLUORIDE IN THE VAPOUR PHASE
AT ELEVATED TEMPERATURE, PREF. IN THE PRESENCE OF A CATALYST.
THE ETHER MAY BE CONVERTED TO DIFLUOROMETHANE BY HEATING, THEREBY PROVIDING A PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE FROM
FORMALDEHYDE AND HYDROGEN FLUORIDE INCLUDING THE STEP OF PRODUCING THE ETHER.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
South Korea	2 23378/99 13 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		239233 20 Oct 1999	20 Oct 2002		GRANTED
Luxembourg [EP]	92304593.4 20 May 1992 16 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518506 A2	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
Mexico	922817 12 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	14 Dec 1992	193319 13 Sep 1999	12 Jun 2012		GRANTED
Mexico	2 98.3960 12 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	14 Dec 1992				PENDING
Mexico	3 98.3961 12 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	14 Dec 1992				PENDING
Netherlands[EP]	92304593.4 20 May 1992 16 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518506 A2	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
Portugal [EP]	92304593.4 20 May 1992 16 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518506 A2	0518508 20 Aug 1997	20 May 2012	20 May 2001	GRANTED
Russian Fed.	5052143.04 12 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		2114815 10 Jul 1998	12 Jun 2012	12 Jun 2000	GRANTED
Russian Fed.	2 98100589 12 Jun 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC				12 Jun 1995	PENDING
Sweden [EP]	92304593.4 20 May 1992 16 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	518508 A2	0518506 20 Aug 1997	20 May 2012	20 May 2001	GRANTED

PATENT

Base Application Data :

Family No. : 36404

Descriptive Title : PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL)ETHER WHICH COMPRISES REACTING FORMALDEHYDE AND HYDROGEN FLUORIDE IN THE VAPOUR+

Official Title : PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL)ETHER WHICH COMPRISES REACTING FORMALDEHYDE AND HYDROGEN FLUORIDE IN THE VAPOUR PHASE AT ELEVATED TEMPERATURE, PREF. IN THE PRESENCE OF A CATALYST.
 THE ETHER MAY BE CONVERTED TO DIFLUOROMETHANE BY HEATING, THEREBY PROVIDING A PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE FROM FORMALDEHYDE AND HYDROGEN FLUORIDE INCLUDING THE STEP OF PRODUCING THE ETHER.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Ireland	16258 09 Jun 1992 IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 25 Dec 1992	8919	09 Jun 1999	09 Jun 2000	GRANTED
Japan	81104934 23 Jun 1992 IMPERIAL CHEMICAL INDUSTRIES PLC		NI-64580	01 Apr 1994	21 Dec 2000	GRANTED
U.S.A.	898786/07 15 Jun 1982 IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
U.S.A.	3 268659/08 29 Jun 1994 Miscellaneous Inventors		5463139	31 Oct 1985	30 Apr 2003	GRANTED
U.S.A.	4 523194/08 05 Sep 1995 Miscellaneous Inventors		5623091	22 Apr 1997	22 Oct 2000	GRANTED
U.S.A.	5 651652/08 21 May 1996 IMPERIAL CHEMICAL INDUSTRIES PLC		5723684	03 Mar 1998	03 Sep 2001	GRANTED
South Africa	92/3772 22 May 1992 IMPERIAL CHEMICAL INDUSTRIES PLC	14 Dec 1992	92/3772	26 May 1993	22 May 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0528

Base Application Data :

Family No. : 36472

Descriptive Title : PROCESS FOR THE REDUCTION OF HALOCARBONS CONTAINING THE GROUP -CX2Y WHERE X IS A HALOGEN OTHER THAN FLUORINE AND Y IS ANY HALOGEN (EG+)

Official Title : PROCESS FOR THE REDUCTION OF HALOCARBONS CONTAINING THE GROUP -CX2Y WHERE X IS A HALOGEN OTHER THAN FLUORINE AND Y IS ANY HALOGEN (EG HCFC 215 CB TO PRODUCE HCFC 225 CA) BY REACTION WITH AN AQUEOUS SOLUTION OF AN ALKALI METAL OR AMMONIUM SULPHITE IN WHICH AN ALKALI METAL OR AMMONIUM SULPHITE IS USED AS BOTH REDUCING AGENT AND ACID ACCEPTOR.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
USA	2 19505808 14 Feb 1984		6430203 04 Jul 1985	23 Jul 2012	04 Jan 2009	GRANTED
	APPLICANT - Miscellaneous Inventions					
	To be abandoned					

Base Application Data :

Family No. : 36489

Descriptive Title : PROCESS FOR THE REMOVAL OF 1-CHLORO-2,2-DIFLUOROETHYLENE (1122) FROM 1,1,1,2-TETRA-FLUOROETHANE (134A) BY CONTACTING IMPURE 134A WITH A+

Official Title : PROCESS FOR THE REMOVAL OF 1-CHLORO-2,2-DIFLUOROETHYLENE (1122) FROM 1,1,1,2-TETRA-FLUOROETHANE (134A) BY CONTACTING IMPURE 134A WITH A ZEOLITE HAVING A MEAN PORE SIZE BETWEEN 3.5A AND 4.8A AND HAVING POTASSIUM AS COUNTER-ION.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Belgium [EP]	92306123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	0526002 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
Canada	2074298-4 21 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 03 Feb 1993			21 Jul 2000	PENDING
China	92108005.6 27 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		92108005.6 19 Oct 1996	27 Jul 2007	27 Jul 2000	GRANTED
Germany [EP]	92306123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	0526002 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
Spain [EP]	92306123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	2083691 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
France [EP]	92306123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	0526002 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
United Kingdom [EP]	92306123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	0526002 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
India	601/DEL/92 13 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Italy [EP]	92306123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	0526002 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
Japan	205078/92 31 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	201893/93 10 Aug 1993				PENDING

PATENT

Base Application Data :

Family No. : 36489

Descriptive Title : PROCESS FOR THE REMOVAL OF 1-CHLORO-2,2-DIFLUOROETHYLENE (1122) FROM
1,1,1,2-TETRA- FLUOROETHANE (134A) BY CONTACTING IMPURE 134A WITH A+Official Title : PROCESS FOR THE REMOVAL OF 1-CHLORO-2,2-DIFLUOROETHYLENE (1122) FROM 1,1,1,2-TETRA- FLUOROETHANE (134A) BY CONTACTING IMPURE 134A WITH A
ZEOLITE HAVING A MEAN PORE SIZE BETWEEN 3.5A AND 4.8A AND HAVING POTASSIUM AS COUNTERION.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
South Korea	13902/92 01 Aug 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		228288 10 Aug 1999	01 Aug 2012	10 Aug 2002	GRANTED
Luxembourg [EP]	92308123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	0526002 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
Mexico	9204477 31 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		182045 05 Jul 1998	31 Jul 2012	31 Jul 2001	GRANTED
Netherlands[EP]	92308123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	0526002 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
Portugal [EP]	92306123.8 02 Jul 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	526002 A2 03 Feb 1993	0526002 28 Feb 1996	02 Jul 2012	02 Jul 2000	GRANTED
Taiwan	81106281 08 Aug 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		NI-63794 21 Jan 1994	08 Aug 2010	11 Oct 2000	GRANTED
U.S.A.	2 89811/08 12 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		5288930 22 Feb 1994	27 Jul 2012	22 Aug 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0531

Base Application Data :

Family No. : 36640

Descriptive Title : CHEMICAL PROCESS FOR THE PRODUCTION OF BIS(FLUORO-METHYL) ETHER WHICH COMPRISES CONTACTING FORMALDEHYDE AND HYDROGEN FLUORIDE, PREFERABLY IN COUNTER-CURRENT, IN A REACTION /DISTILLATION COLUMN.

Official Title : CHEMICAL PROCESS FOR THE PRODUCTION OF BIS(FLUORO-METHYL) ETHER WHICH COMPRISES CONTACTING FORMALDEHYDE AND HYDROGEN FLUORIDE, PREFERABLY IN COUNTER-CURRENT, IN A REACTION /DISTILLATION COLUMN.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	27998/92 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		661868 28 Nov 1995	30 Oct 2012	30 Oct 2000	GRANTED
Belgium [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	0612309 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED
Brazil [PCT]	PI9206735 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		9206735.2 11 Jan 2000		30 Oct 2000	GRANTED
Canada [PCT]	2123100 30 Oct 1992 APPLICANT : Miscellaneous Inventors	UNKNOWN 27 May 1993			30 Oct 2000	PENDING
China	92114387.7 13 Nov 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 22 Dec 1993	47619 30 Jul 1999	13 Nov 2007	13 Nov 2000	GRANTED
Germany [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	0612309 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED
Spain [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	2084386 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED
France [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	0612309 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED
United Kingdom [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	0612309 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED
Ireland [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	0612309 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED

PATENT

Base Application Data :

Family No. : 36640

Descriptive Title : CHEMICAL PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL) ETHER WHICH COMPRISES CONTACTING FORMALDEHYDE AND HYDROGEN FLUORIDE, PREFERABLY IN COUNTER-CURRENT, IN A REACTION /DISTILLATION COLUMN.

Official Title : CHEMICAL PROCESS FOR THE PRODUCTION OF BIS(FLUORO- METHYL) ETHER WHICH COMPRISES CONTACTING FORMALDEHYDE AND HYDROGEN FLUORIDE, PREFERABLY IN COUNTER-CURRENT, IN A REACTION /DISTILLATION COLUMN.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
India	1007/DEL/92 04 Nov 1982 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
India	2 45/DEL/99 04 Nov 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Italy [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	0612309 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED
Japan [PCT]	509052/93 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
S.Korea [PCT]	701613/94 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Luxembourg [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	0612309 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED
Mexico	926509 12 Nov 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		183346 25 Nov 1986	12 Nov 2012	12 Nov 2001	GRANTED
Netherlands [EP]	92922435.0 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	612309 A1 31 Aug 1994	0612309 20 Mar 1996	30 Oct 2012	30 Oct 2000	GRANTED
Russia [PCT]	94026908.00 30 Oct 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	10 Jan 1996	2102376 20 Jan 1998	30 Oct 2012	30 Oct 2000	GRANTED
Thailand	17344 12 Nov 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	15490 24 Feb 1995				PENDING

PATENT

REEL: 012721 FRAME: 0533

Base Application Data :

Family No. : 36640

Descriptive Title : CHEMICAL PROCESS FOR THE PRODUCTION OF BIS(FUORO- METHYL) ETHER WHICH COMPRISES CONTACTING FORMALDEHYDE AND HYDROGEN FLUORIDE, +

Official Title : CHEMICAL PROCESS FOR THE PRODUCTION OF BIS(FUORO- METHYL) ETHER WHICH COMPRISES CONTACTING FORMALDEHYDE AND HYDROGEN FLUORIDE, PREFERABLY IN COUNTER-CURRENT, IN A REACTION /DISTILLATION COLUMN.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
aiwan	81108919 07 Nov 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		NI-080448 21 May 1997	07 Nov 2012	21 May 2001	GRANTED
J.S.A.	2 145668/08 04 Nov 1993 APPLICANT : Miscellaneous Inventors		5344998 06 Sep 1984	12 Nov 2012	06 Mar 2002	GRANTED
J.S.A.	3 238448/08 05 May 1994 APPLICANT : Miscellaneous Inventors		5506364 09 Apr 1996	12 Nov 2012	09 Oct 2003	GRANTED
South Africa	92/8619 09 Nov 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	13 May 1993	92/8619 28 Apr 1994	09 Nov 2012	09 Nov 2000	GRANTED

Base Application Data :

Family No. : 36668

Descriptive Title : CATALYST TREATMENT PROCESS A PROCESS FOR THE TREATMENT, IN PARTICULAR THE REACTIVATION, OF A CHROMIUM-BASED FLUORINATION CATALYST WHICH+

Official Title : CATALYST TREATMENT PROCESS A PROCESS FOR THE TREATMENT, IN PARTICULAR THE REACTIVATION, OF A CHROMIUM-BASED FLUORINATION CATALYST WHICH COMPRISES CONTACTING THE CATALYST WITH WATER VAPOUR AT ELEVATED TEMPERATURE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Japan [PCT]	509917/93 19 Nov 1992					PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
S.A.	984448 02 Dec 1992		5407877 18 Apr 1995	02 Dec 2012	18 Oct 2002	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					

Base Application Data :

Family No. : 36680

Descriptive Title : WATER SEPARATION PROCESS IN THE PRODUCTION OF KLEA 134A, WATER IS REMOVED FROM THE GASEOUS, HF CONTAINING PRODUCT STREAM BY CONTACTING+

Official Title : WATER SEPARATION PROCESS IN THE PRODUCTION OF KLEA 134A, WATER IS REMOVED FROM THE GASEOUS, HF CONTAINING PRODUCT STREAM BY CONTACTING THE STREAM WITH LIQUID HF IN A DISTILLATION ZONE

Entry	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
366 (PCT)	2124833 25 Nov 1992	UNKNOWN 24 Jun 1993			25 Nov 2000	PENDING
APPLICANT : Miscellaneous-Inventors						
367 (PCT)	92923940.1 25 Nov 1992	0625087 23 Nov 1994			25 Nov 2000	PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
368 (PCT)	610689403 25 Nov 1992			25 Nov 2012		PENDING
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
U.S.A.	987718407 08 Dec 1992		5334784 02 Aug 1994	09 Dec 2012	02 Feb 2002	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
U.S.A.	235027108		6103944 15 August 2000	9 Dec 2012		PENDING
APPLICANT : Miscellaneous-Inventors						

ALL to be abandoned

PENDING GRANTED

Family No.: 36683

Base Application Data:

Descriptive Title: PRODUCTION OF HYDROFLUOROCARBONS PROCESS FOR THE PRODUCTION OF HYDROFLUORO-CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH COMPRISES HYDROFLUORO-CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH+

Official Title:

PRODUCTION OF HYDROFLUOROCARBONS PROCESS FOR THE PRODUCTION OF HYDROFLUORO-CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH COMPRISES HEATING AN ALPHA-FLUORO- ETHER IN THE VAPOUR PHASE AT ELEVATED TEMP- ERATURE. THE ALPHA-FLUORO-ETHER MAY BE PREPARED BY REACTING A NON-ENOLISABLE ALDEHYDE, IN PARTICULAR FORMALDEHYDE OR TRIFLUOROACETALDEHYDE, WITH HYDROGEN FLUOR- IDE IN THE ABSENCE OF AN ALCOHOL

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria [EP]	82823982.2 03 Dec 1982 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	E180761 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
Australia [PCT]	28547/92 03 Dec 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/12057 24 Jun 1993	670761 19 Nov 1996	03 Dec 2012	03 Dec 2000	GRANTED
Belgium [EP]	82923962.2 03 Dec 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
Brazil [PCT]	P19206904 03 Dec 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO83/12057 24 Jun 1993	P19206904 16 MAY 2000		03 Dec 2000	GRANTED
Canada [PCT]	2124934 03 Dec 1992 APPLICANT: Miscellaneous Inventors	WO93/12057 24 Jun 1993			03 Dec 2000	PENDING
Switzerland [EP]	92923962.2 03 Dec 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
China	92115389.9 11 Dec 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	UNKNOWN 14 Jul 1993	39091 29 Nov 1987	11 Dec 2007	11 Dec 2000	GRANTED
China	97114545.8 11 Dec 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	1186799 08 Jul 1996			11 Dec 2000	PENDING
Germany [EP]	92923962.2 03 Dec 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	69229359.0 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
Denmark [EP]	92923962.2 03 Dec 1992 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED

PATENT

Family No. : 36683

Base Application Data :

Descriptive Title : PRODUCTION OF HYDROFLUOROCARBONS PROCESS FOR THE PRODUCTION OF HYDROFLUORO- CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH+
HYDROFLUORO- CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH+

Official Title : PRODUCTION OF HYDROFLUOROCARBONS PROCESS FOR THE PRODUCTION OF HYDROFLUORO- CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH COMPRISES HEATING AN ALPHA-FLUORO- ETHER IN THE VAPOUR PHASE AT ELEVATED TEMP- ERATURE, THE ALPHA-FLUORO-ETHER MAY BE PREPARED BY REACTING A NON-ENOLISABLE ALDEHYDE, IN PARTICULAR FORMALDEHYDE OR TRIFLUOROACETALDEHYDE, WITH HYDROGEN FLUOR- IDE IN THE ABSENCE OF AN ALCOHOL

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
European (PCT)	92923962.2 03 Dec 1992	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 1999	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Spain (EP)	92923962.2 03 Dec 1992	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
France (EP)	92923962.2 03 Dec 1992	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
United Kingdom (EP)	92923962.2 03 Dec 1992	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Greece (EP)	92923962.2 03 Dec 1992	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Ireland	2863/92 03 Dec 1992				03 Dec 2000	PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Ireland (EP)	92923962.2 03 Dec 1992	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
India	2 1373/Del/99 07 Dec 1992					PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
India	1157/DEL/92 07 Dec 1992					PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Italy (EP)	92923962.2 03 Dec 1992	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Base Application Data :

Family No. : 36683

Descriptive Title : PRODUCTION OF HYDROFLUOROCARBONS PROCESS FOR THE PRODUCTION OF
HYDROFLUORO- CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH

Official Title : PRODUCTION OF HYDROFLUOROCARBONS PROCESS FOR THE PRODUCTION OF HYDROFLUORO- CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH COMPRISES
HEATING AN ALPHA-FLUORO- ETHER IN THE VAPOUR PHASE AT ELEVATED TEMP- ERATURE. THE ALPHA-FLUORO-ETHER MAY BE PREPARED BY REACTING A
NON-ENOLISABLE ALDEHYDE, IN PARTICULAR FORMALDEHYDE OR TRIFLUOROACETALDEHYDE, WITH HYDROGEN FLUOR- IDE IN THE ABSENCE OF AN ALCOHOL

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Japan [PCT]	510884/93 03 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/12057 24 Jun 1993				PENDING
South Korea	7007836/99 03 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		242582 11 Nov 1999			GRANTED
S.Korea [PCT]	701989/94 03 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/12057 24 Jun 1993	248876 21 Dec 1999			GRANTED
Luxembourg [EP]	92923962.2 03 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	0842486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
Monaco [EP]	92923962.2 03 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
Mexico	927148 10 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	11 Jun 1993				PENDING
Mexico	922817 10 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	11 Jun 1993				PENDING
Netherlands[EP]	92923962.2 03 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
Portugal [EP]	92923962.2 03 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0642486 24 Jun 1993	0642486 02 Jun 1999	03 Dec 2012	03 Dec 2000	GRANTED
Russia [PCT]	94030813.00 03 Dec 1992 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/12057 24 Jun 1993	2120935 27 Oct 1998	03 Dec 2012	03 Dec 2000	GRANTED

Base Application Data :

Family No. : 36583

Descriptive Title : PRODUCTION OF HYDROFLUOROCARBONS PROCESS FOR THE PRODUCTION OF HYDROFLUORO-CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH COMPRISES HEATING AN ALPHA-FLUORO- ETHER IN THE VAPOUR PHASE AT ELEVATED TEMP- ERATURE, THE ALPHA-FLUORO-ETHER MAY BE PREPARED BY REACTING A NON-ENOLISABLE ALDEHYDE, IN PARTICULAR FORMALDEHYDE OR TRIFLUOROACETALDEHYDE, WITH HYDROGEN FLUORIDE IN THE ABSENCE OF AN ALCOHOL

Official Title :

PRODUCTION OF HYDROFLUOROCARBONS PROCESS FOR THE PRODUCTION OF HYDROFLUORO- CARBONS, IN PARTICULAR HFA32, 134A, AND 125 WHICH COMPRISES HEATING AN ALPHA-FLUORO- ETHER IN THE VAPOUR PHASE AT ELEVATED TEMP- ERATURE, THE ALPHA-FLUORO-ETHER MAY BE PREPARED BY REACTING A NON-ENOLISABLE ALDEHYDE, IN PARTICULAR FORMALDEHYDE OR TRIFLUOROACETALDEHYDE, WITH HYDROGEN FLUORIDE IN THE ABSENCE OF AN ALCOHOL

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Sweden [EP]	92923982.2 03 Dec 1992	0642486 24 Jun 1993	0642486 02 Jun 1998	03 Dec 2012	03 Dec 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Netherlands	17586 09 Dec 1992	13261 13 Oct 1993				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Taiwan	81109868 09 Dec 1992		NI-092553 11 Feb 1998	09 Dec 2012	11 Feb 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Taiwan	2 85100424 09 Dec 1992		NI092781 04 Jun 1998	09 Dec 2012	21 Feb 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
U.S.A.	3 442285/08 18 May 1995		5504263 02 Apr 1998	02 Apr 2013	02 Oct 2003	GRANTED
APPLICANT : Miscellaneous Inventors						
U.S.A.	4 446524/08 18 May 1995		5750807 12 May 1998	12 May 2015	12 Nov 2001	GRANTED
APPLICANT : Miscellaneous Inventors						
U.S.A.	5 565715/08 30 Nov 1995		5696308 09 Dec 1997	09 Dec 2014	09 Jun 2001	GRANTED
APPLICANT : Miscellaneous Inventors						
U.S.A.	6 565716/08 30 Nov 1995		5637776 10 Jun 1997	10 Dec 2012	10 Dec 2000	GRANTED
APPLICANT : Miscellaneous Inventors						

PATENT

REEL: 012721 FRAME: 0540

Family No. : 36781

Base Application Data :

Descriptive Title : FLUORINATION CATALYST AND PROCESS A CHROMIUM-FREE FLUORINATION CATALYST COMPRISING AN ACTIVITY PROMOTING AMOUNT OF ZINC SUPPORTED ON+

Official Title : FLUORINATION CATALYST AND PROCESS A CHROMIUM-FREE FLUORINATION CATALYST COMPRISING AN ACTIVITY PROMOTING AMOUNT OF ZINC SUPPORTED ON AN ALUMINA, HALOGENATED ALUMINA OR ALUMINIUM OXYHALIDE SUPPORT AND ITS USE IN CATALYSING THE FLUORINATION OF HYDROCARBONS AND HALOGENATED HYDROCARBONS WITH HYDROGEN FLUORIDE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Brazil (PCT)	P19305966 05 Feb 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/16798 02 Sep 1993	PT 9305966-3 25 July 2000	5 Feb 2013	05 Feb 2001	PENDING GRANTED
Canada (PCT)	2128434 05 Feb 1993 APPLICANT : Miscellaneous Inventors	WO93/16798 02 Sep 1993			05 Feb 2001	PENDING
China	93103175.3 25 Feb 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1050776 10 Nov 1993	93103175.3 17 Dec 1999	25 Feb 2013	25 Feb 2001	GRANTED
China	2 95103964.4 25 Feb 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1111608 15 Nov 1995	95103964.4 13 Nov 1999	25 Feb 2013	25 Feb 2001	GRANTED
Japan (PCT)	514609/83 05 Feb 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/16798 02 Sep 1993				PENDING
S.Korea (PCT)	702982/94 05 Feb 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/16798 02 Sep 1993	255872 17 Feb 2000			GRANTED
Taiwan	82100866 09 Feb 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		NI-72510 23 Nov 1995	08 Feb 2013	11 Aug 2000	GRANTED
U.S.A.	22009/08 24 Feb 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
U.S.A.	2 160547/09 25 Sep 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING

PATENT

Family No. : 37009

Base Application Data :

Descriptive Title : PROCESS FOR THE CO-PRODUCTION OF HYDRO- FLUOROALKANES FOR EXAMPLE
HFA125,32152A, A143A IN ADDITION TO 1,1,1,2-TETRAFLUORO- ETHANE+

Official Title : PROCESS FOR THE CO-PRODUCTION OF HYDRO- FLUOROALKANES FOR EXAMPLE HFA125,32152A, A143A IN ADDITION TO 1,1,1,2-TETRAFLUORO- ETHANE (HFA134A) BY
FEEDING CHLORINE OR AN ORGANIC PRECURSOR TO THE ADDITIONAL HYDRO- FLUOROALKANE DURING THE HYDROFLUORINATION OF
1,1,1-TRIFLUORO-2-CHLOROETHANE (HCFC133A) WHICH MAY ITSELF BE MADE BY HYDROFLUORINATION OF TRICHOETHYLENE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	43428/93 08 Jun 1993	WO93/25505 23 Dec 1993	672210 14 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Belgium [EP]	93913312.0 08 Jun 1993	0644867 23 Dec 1993	0644867 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Brazil [PCT]	P19306515 08 Jun 1993	WO93/25505 23 Dec 1993	P19306515 16 MAY 2000		08 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Canada [PCT]	2137234 08 Jun 1993	WO93/25505 23 Dec 1993			08 Jun 2000	PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Germany [EP]	93913312.0 08 Jun 1993	0644867 23 Dec 1993	69307884.7 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Spain [EP]	93913312.0 08 Jun 1993	0644867 23 Dec 1993	2097514 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
France [EP]	93913312.0 08 Jun 1993	0644867 23 Dec 1993	0644867 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
United Kingdom	9311742.2 07 Jun 1993					Lapsed
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Switzerland [EP]	93913312.0 08 Jun 1993	0644867 23 Dec 1993	0644867 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Ireland [EP]	93913312.0 08 Jun 1993	0644867 23 Dec 1993	0644867 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Family No. : 37009

Base Application Data :

Descriptive Title : PROCESS FOR THE CO-PRODUCTION OF HYDRO- FLUOROALKANES FOR EXAMPLE
HFA125.32152A, A143A IN ADDITION TO 1,1,1,2-TETRAFLUORO- ETHANE+

Official Title : PROCESS FOR THE CO-PRODUCTION OF HYDRO- FLUOROALKANES FOR EXAMPLE HFA125.32152A, A143A IN ADDITION TO 1,1,1,2-TETRAFLUORO- ETHANE (HFA134A) BY
FEEDING CHLORINE OR AN ORGANIC PRECURSOR TO THE ADDITIONAL HYDRO- FLUOROALKANE DURING THE HYDROFLUORINATION OF
1,1,1-TRIFLUORO-2-CHLOROETHANE (HCFC133A) WHICH MAY ITSELF BE MADE BY HYDROFLUORINATION OF TRICHLOROETHYLENE.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Italy [EP]	93913312.0 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644867 23 Dec 1993	0644867 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
Japan [PCT]	501254/94 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/25505 23 Dec 1993				PENDING
S. Korea [PCT]	704504/94 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/25505 23 Dec 1993				PENDING
Luxembourg [EP]	93913312.0 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644867 23 Dec 1993	0644867 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
Netherlands [EP]	93913312.0 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644867 23 Dec 1993	0644867 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
Portugal [EP]	93913312.0 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644867 23 Dec 1993	0644867 29 Jan 1997	08 Jun 2013	08 Jun 2000	GRANTED
U.S.A.	73427/08 09 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
U.S.A.	2 420636/08 12 Apr 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
U.S.A.	3 796902/08 05 Feb 1997 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		5902913 11 May 1999	09 Jun 2013	11 Nov 2002	GRANTED

PATENT

Base Application Data :

Family No. : 37018

Descriptive Title : PROCESS FOR THE PRODUCTION OF DIFLUORO-METHANE HFA 32 WHICH
COMPRISES HEATING BIS(FLUOROMETHYL) ETHER IN THE VAPOUR PHASE AT+

Official Title : PROCESS FOR THE PRODUCTION OF DIFLUORO-METHANE HFA 32 WHICH COMPRISES HEATING BIS(FLUOROMETHYL) ETHER IN THE VAPOUR PHASE AT ELEVATED
TEMPERATURE IN THE PRESENCE OF A CATALYST WHEREIN THE CATALYST IS TREATED, PREFERABLY CONTINUOUSLY, BY CONTACT WITH AN OXIDISING AGENT (AIR).

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	43397/93 02 Jun 1993	WO93/25508 23 Dec 1993	679683 30 Oct 1997	02 Jun 2013	02 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Belgium [EP]	93913269.2 02 Jun 1993	0644868 23 Dec 1993	0644868 27 Jan 1999	02 Jun 2013	02 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Brazil [PCT]	P19306514 02 Jun 1993	WO93/25508 23 Dec 1993			02 Jun 2000	PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Canada [PCT]	2137235 02 Jun 1993	WO93/25508 23 Dec 1993			02 Jun 2000	PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
China	93108733.3 11 Jun 1993	UNKNOWN 27 Apr 1994	43416 10 Oct 1998	11 Jun 2013	11 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Germany [EP]	93913269.2 02 Jun 1993	0644868 23 Dec 1993	69323312.5 27 Jan 1999	02 Jun 2013	02 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Spain [EP]	93913269.2 02 Jun 1993	0644868 23 Dec 1993	2127282 27 Jan 1999	02 Jun 2013	02 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
France [EP]	93913269.2 02 Jun 1993	0644868 23 Dec 1993	0644868 27 Jan 1999	02 Jun 2013	02 Jun 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

1995-9

United Kingdom 9341033.6 28 May 1993

APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC

United Kingdom (EP) 93913269.2 02 Jun 1993 0644868 27 Jan 1999 02 Jun 2013 02 Jun 2000 GRANTED

APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC

Family No. : 37018

Base Application Data :

Descriptive Title : PROCESS FOR THE PRODUCTION OF DIFLUORO- METHANE HFA 32 WHICH
COMPRISES HEATING BIS(FLUOROMETHYL) ETHER IN THE VAPOUR PHASE AT+

Official Title : PROCESS FOR THE PRODUCTION OF DIFLUORO- METHANE HFA 32 WHICH COMPRISES HEATING BIS(FLUOROMETHYL) ETHER IN THE VAPOUR PHASE AT ELEVATED
TEMPERATURE IN THE PRESENCE OF A CATALYST WHEREIN THE CATALYST IS TREATED, PREFERABLY CONTINUOUSLY, BY CONTACT WITH AN OXIDISING AGENT (AIR).

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Ireland (EP)	93913269.2 02 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644868 23 Dec 1993	0644868 27 Jan 1989	02 Jun 2013	02 Jun 2000	GRANTED
India	575/DEL/93 07 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Italy (EP)	93913269.2 02 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644868 23 Dec 1993	0644868 27 Jan 1999	02 Jun 2013	02 Jun 2000	GRANTED
Japan (PCT)	500904/94 02 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/25508 23 Dec 1993				PENDING
S.Korea (PCT)	704505/94 02 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/25508 23 Dec 1993	241801 05 Nov 1999			GRANTED
Luxembourg (EP)	93913269.2 02 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644868 23 Dec 1993	0644868 27 Jan 1999	02 Jun 2013	02 Jun 2000	GRANTED
Netherlands (EP)	93913269.2 02 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644868 23 Dec 1993	0644868 27 Jan 1999	02 Jun 2013	02 Jun 2000	GRANTED
Portugal (EP)	93913269.2 02 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0644868 23 Dec 1993	0644868 27 Jan 1999	02 Jun 2013	02 Jun 2000	GRANTED
Russia (PCT)	94046229.00 02 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/25508 23 Dec 1993	2109001 20 Apr 1998	02 Jun 2013	02 Jun 2000	GRANTED
U.S.A.	70950/08 04 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		5446215 29 Aug 1995	04 Jun 2013	28 Feb 2003	GRANTED

PATENT

Base Application Data :

Family No. : 37035

Descriptive Title : PROCESS FOR THE PRODUCTION OF HYDROFLUOROCARBONS IN PARTICULAR
HFA321349 AND 125 WHICH COMPRISES CONTACTING AND FLUORO-ETHER IN THE+Official Title : PROCESS FOR THE PRODUCTION OF HYDROFLUOROCARBONS IN PARTICULAR HFA321349 AND 125 WHICH COMPRISES CONTACTING AND FLUORO-ETHER IN THE
LIQUID PHASE WITH A LEWIS ACID IN PARTICULAR S6F5

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada [PCT]	2137353 11 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/25509 23 Dec 1993			11 Jun 2000	PENDING
Germany [EP]	93913347.6 11 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0846105 23 Dec 1993	69318557.0 13 May 1998	11 Jun 2013	11 Jun 2000	GRANTED
Spain [EP]	83913347.6 11 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0846105 23 Dec 1993	2115788 13 May 1998	11 Jun 2013	11 Jun 2000	GRANTED
France [EP]	93913347.6 11 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0846105 23 Dec 1993	0646105 13 May 1998	11 Jun 2013	11 Jun 2000	GRANTED
United Kingdom [EP]	02042347.6 11 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0646105 23 Dec 1993	0646105 13 May 1998	11 Jun 2013	11 Jun 2000	GRANTED
Italy [EP]	93913347.6 11 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0646105 23 Dec 1993	0646105 13 May 1998	11 Jun 2013	11 Jun 2000	GRANTED
Japan [PCT]	501282/94 11 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/25509 23 Dec 1993				PENDING
Netherlands [EP]	93913347.6 11 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0646105 23 Dec 1993	0646105 13 May 1998	11 Jun 2013	11 Jun 2000	GRANTED
U.S.A.	2 355306/08 12 Dec 1994 APPLICANT : Miscellaneous Inventors		5495056 27 Feb 1996	14 Jun 2013	27 Aug 2003	GRANTED
U.S.A.	3 545483/08 19 Oct 1995 APPLICANT : Miscellaneous Inventors		5756868 28 May 1998	14 Jun 2013	26 Nov 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0546

Family No. : 37060

Base Application Data :

Descriptive Title : PURIFICATION OF 1,1,1,2-TETRAFLUOROETHANE PROCESS FOR THE REMOVAL OF
1,1,1,2- TETRAFLUOROETHANE (HFA134) FROM 1,1,1,2-TETRAFLUOROETHANE+

Official Title : PURIFICATION OF 1,1,1,2-TETRAFLUOROETHANE PROCESS FOR THE REMOVAL OF 1,1,1,2-TETRAFLUOROETHANE (HFA134) FROM 1,1,1,2-TETRAFLUOROETHANE
(HFA134A) BY CONTACTING THE MIXTURE WITH A ZEOLITE HAVING A PORE SIZE IN THE RANGE FROM 3.8A TO 4.8A, PREFERABLY AW-500 ZEOLITE. REMOVING
1,1,2,2-TETRAFLUOROETHANE (134) FROM 1,1,1,2-TETRAFLUOROETHANE (134A) BY MEANS OF A ZEOLITE ABSORBENT.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Belgium [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	0650469 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
Canada [PCT]	2137795 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/01386 20 Jan 1994			06 Jul 2000	PENDING
Germany [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	P69313453.4 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
Spain [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	2107043 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
France [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	0850469 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
United Kingdom [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	0650469 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
Ireland [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	0650469 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
Italy [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	0650469 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
Japan [PCT]	503102/94 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/01386 20 Jan 1994				PENDING
Luxembourg [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	0850469 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED

PATENT

Base Application Data :

Family No. : 37060

Descriptive Title : PURIFICATION OF 1,1,1,2-TETRAFLUOROETHANE PROCESS FOR THE REMOVAL OF 1,1,1,2- TETRAFLUOROETHANE (HFA134) FROM 1,1,1,2-TETRAFLUOROETHANE+

Official Title : PURIFICATION OF 1,1,1,2-TETRAFLUOROETHANE PROCESS FOR THE REMOVAL OF 1,1,1,2- TETRAFLUOROETHANE (HFA134) FROM 1,1,1,2-TETRAFLUOROETHANE (HFA134A) BY CONTACTING THE MIXTURE WITH A ZEOLITE HAVING A PORE SIZE IN THE RANGE FROM 3.8A TO 4.8A, PREFERABLY AW-500 ZEOLITE. REMOVING 1,1,2,2-TETRAFLUOROETHANE (134) FROM 1,1,1,2-TETRAFLUOROETHANE (134A) BY MEANS OF A ZEOLITE ABSORBENT.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Netherlands[EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	0650469 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
Portugal [EP]	93914889.6 06 Jul 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0650469 20 Jan 1994	0650469 27 Aug 1997	06 Jul 2013	06 Jul 2000	GRANTED
U.S.A.	2 972000/08 19 Nov 1997 APPLICANT : Miscellaneous Inventors	WO94/01386 20 Jan 1994	6107529 22 Aug 2000	22 Dec 2014		PENDING GRANTED

Base Application Data :

Family No. : 37191

Descriptive Title : CATALYST PRODUCTION. PROCESS ALLOW RECYCLING OF SPENT CHROMIA CATALYSTS AND SOLVES THE ENVIRONMENTAL PROBLEM OF DISPOSING OF SPENT+ CHROMIA.

Official Title : CATALYST PRODUCTION. PROCESS ALLOW RECYCLING OF SPENT CHROMIA CATALYSTS AND SOLVES THE ENVIRONMENTAL PROBLEM OF DISPOSING OF SPENT CHROMIA.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Belgium [EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0680750 31 Mar 1994	0680750 06 Aug 1997	07 Sep 2013	07 Sep 2000	GRANTED
Canada [PCT]	2141184 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/06558 31 Mar 1994			07 Sep 2000	PENDING
China	93118034.7 17 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		52879 01 Jan 2000	17 Sep 2013	17 Sep 2000	GRANTED
Germany [EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0680750 31 Mar 1994	69312943.3-006 Aug 1997	07 Sep 2013	07 Sep 2000	GRANTED
Spain [EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0680750 31 Mar 1994	2105665 06 Aug 1997	07 Sep 2013	07 Sep 2000	GRANTED
France [EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0680750 31 Mar 1994	0680750 06 Aug 1997	07 Sep 2013	07 Sep 2000	GRANTED
Ireland [EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0680750 31 Mar 1994			07 Sep 2000	GRANTED
Italy [EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0680750 31 Mar 1994	0680750 06 Aug 1997	07 Sep 2013	07 Sep 2000	GRANTED
Japan [PCT]	507879/94 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/06558 31 Mar 1994			07 Sep 2013	PENDING

PATENT

Family No. : 37191

Base Application Data :

Descriptive Title : CATALYST PRODUCTION. PROCESS ALLOW RECYCLING OF SPENT CHROMIA CATALYSTS AND SOLVES THE ENVIRONMENTAL PROBLEM OF DISPOSING OF SPENT+

Official Title : CATALYST PRODUCTION. PROCESS ALLOW RECYCLING OF SPENT CHROMIA CATALYSTS AND SOLVES THE ENVIRONMENTAL PROBLEM OF DISPOSING OF SPENT CHROMIA.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
S. Korea [PCT]	700713/85 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/06558 31 Mar 1994		07 Sep 2013		PENDING
Luxembourg [EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0660750 31 Mar 1994	0660750 06 Aug 1997	07 Sep 2013	07 Sep 2000	GRANTED
Mexico	9305642 14 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	17 Mar 1994	189973 07 Oct 1998	14 Sep 2013	14 Sep 2004	GRANTED
Netherlands[EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0660750 31 Mar 1994	0660750 06 Aug 1997	07 Sep 2013	07 Sep 2000	GRANTED
Portugal [EP]	94910251.1 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0660750 31 Mar 1994	0660750 06 Aug 1997	07 Sep 2013	07 Sep 2000	GRANTED
Taiwan	82107541 14 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	332156	NI-094356 21 May 1998	14 Sep 2013	21 May 2001	GRANTED
U.S.A. [PCT]	403601/08 07 Sep 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/06558 31 Mar 1994	5741748 21 Apr 1998	21 Apr 2015	21 Oct 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0550

Base Application Data :

Family No. : 37462

Descriptive Title : HYDROGEN FLUORIDE RECOVERY PROCESS FOR RECOVERY HF FROM THE
HF/H₂O AZEOTROPE COMPRISING CONTACTING THE AZEOTROPE WITH LITHIUM*Official Title : HYDROGEN FLUORIDE RECOVERY PROCESS FOR RECOVERY HF FROM THE HF/H₂O AZEOTROPE COMPRISING CONTACTING THE AZEOTROPE WITH LITHIUM
FLUORIDE AT LOW TEMPERATURE TO FORM LITHIUM BIFLUORIDE, SEPARATING THE BIFLUORIDE AND DECOMPOSING IT (THERMALLY OR BY ADDING AZEOTROPE AT A
HIGHER TEMPERATURE) TO LIBERATE HF.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Belgium (EP)	94089496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
Canada (PG)	2467472 11-Mar-1994	WG94/20412 15-Sep-1994			11-Mar-2001	PENDING
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
Germany (EP)	94089496.1 11-Mar-1994	0688300 15-Sep-1994	69418329.2 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
Spain (EP)	94089496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
France (EP)	94089496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
United Kingdom (EP)	94089496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
Ireland (EP)	94089496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
Italy (EP)	94089496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
Japan (PG)	610766/94 11-Mar-1994	WG94/20412 15-Sep-1994				PENDING
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
Luxembourg (EP)	94089496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					

All to be
abandoned

Family No. : 37462

Base Application Data :

Descriptive Title : HYDROGEN FLUORIDE RECOVERY PROCESS FOR RECOVERY HF FROM THE HF/H₂O AZEOTROPE COMPRISING CONTACTING THE AZEOTROPE WITH LITHIUM+
HF/H₂O AZEOTROPE COMPRISING CONTACTING THE AZEOTROPE WITH LITHIUM+

Official Title : HYDROGEN FLUORIDE RECOVERY PROCESS FOR RECOVERY HF FROM THE HF/H₂O AZEOTROPE COMPRISING CONTACTING THE AZEOTROPE WITH LITHIUM FLUORIDE AT LOW TEMPERATURE TO FORM LITHIUM BIFLUORIDE, SEPARATING THE BIFLUORIDE AND DECOMPOSING IT (THERMALLY OR BY ADDING AZEOTROPE AT A HIGHER TEMPERATURE) TO LIBERATE HF.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Netherlands (EP)	94999496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					
Portugal (EP)	94999496.1 11-Mar-1994	0688300 15-Sep-1994	0688300 06-May-1999	11-Mar-2014	11-Mar-2001	GRANTED
	APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					
U.S.A.	2 08/048243 09-Oct-1997		5800795 04-Sep-1999	11-Mar-2014	01-Mar-2002	GRANTED
	APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					

to be abandoned

Family No. : 37479

Base Application Data : 9308072.1 24 Mar 1993 GB

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST IN WHICH SUFFICIENT HYDROGEN FLUORIDE IS EMPLOYED SUCH THAT THE MOLAR RATIO OF HYDROGEN FLUORIDE TO MONOCHLOROMONOFUOROMETHANE (HCFC 31) IS AT LEAST ABOUT 100:1

Official Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST IN WHICH SUFFICIENT HYDROGEN FLUORIDE IS EMPLOYED SUCH THAT THE MOLAR RATIO OF HYDROGEN FLUORIDE TO MONOCHLOROMONOFUOROMETHANE (HCFC 31) IS AT LEAST ABOUT 100:1

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	62133/94 14 Mar 1994	WO94/21579 29 Sep 1994	691486 14 Mar 1994	14 Mar 2014	14 Mar 2001	GRANTED
Belgium [EP]	94909203.5 14 Mar 1994	0690832 29 Sep 1994	0690832 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
Brazil [PCT]	P19406236 14 Mar 1994	WO94/21579 29 Sep 1994			14 Mar 2001	PENDING
Canada [PCT]	2157528 14 Mar 1994	WO94/21579 29 Sep 1994			14 Mar 2001	PENDING
China [PCT]	94191526.3 14 Mar 1994	1119432 29 Sep 1994	45960 08 Apr 1999	14 Mar 2014	14 Mar 2001	GRANTED
Germany [EP]	94909203.5 14 Mar 1994	0690832 29 Sep 1994	69410455.8 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
European [PCT]	94909203.5 14 Mar 1994	0690832 29 Sep 1994	0690832 20 May 1998	14 Mar 2014	14 Mar 1999	GRANTED
Spain [EP]	94909203.5 14 Mar 1994	0690832 29 Sep 1994	2115940 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
France [EP]	94909203.5 14 Mar 1994	0690832 29 Sep 1994	0690832 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED

United Kingdom 9404715.6 10 Mar 1994

APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC

LA 9560

PATENT

REEL: 012721 FRAME: 0553

Base Application Data : 9306072.1 24 Mar 1993 GB

Family No. : 37479

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE+

Official Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST IN WHICH SUFFICIENT HYDROGEN FLUORIDE IS EMPLOYED SUCH THAT THE MOLAR RATIO OF HYDROGEN FLUORIDE TO MONOCHLOROMONOFUOROMETHANE (HCFC 31) IS AT LEAST ABOUT 100:1

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom [EP]	94090203.5 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690832 29 Sep 1994	0690832	14 Mar 1998	14 Mar 2001	GRANTED
Ireland [EP]	94090203.5 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690832 29 Sep 1994	0690832	20 May 1998	14 Mar 2001	GRANTED
India	297/DEL/94 16 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Italy [EP]	94090203.5 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690832 29 Sep 1994	0690832	20 May 1998	14 Mar 2001	GRANTED
Japan [PCT]	520763/84 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/21579 29 Sep 1994				PENDING
S.Korea [PCT]	704025/95 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/21579 29 Sep 1994				PENDING
Luxembourg [EP]	94090203.5 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690832 29 Sep 1994	0690832	20 May 1998	14 Mar 2001	GRANTED
Mexico	942142 24 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	24 Sep 1994	191991	12 May 1999	24 Mar 2001	GRANTED
Netherlands [EP]	94090203.5 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690832 29 Sep 1994	0690832	20 May 1998	14 Mar 2001	GRANTED
Portugal [EP]	94090203.5 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690832 29 Sep 1994	0690832	20 May 1998	14 Mar 2001	GRANTED

Base Application Data : 9308072.1 24 Mar 1993 GB

Family No. : 37479

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE+

Official Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST IN WHICH SUFFICIENT HYDROGEN FLUORIDE IS EMPLOYED SUCH THAT THE MOLAR RATIO OF HYDROGEN FLUORIDE TO MONOCHLOROMONOFUOROMETHANE (HCFC 31) IS AT LEAST ABOUT 100:1

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Russia (PCT)	95121816.00 14 Mar 1994	WO94/21579 29 Sep 1994	2127246 10 Mar 1989	14 Mar 2014	14 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Saudi Arabia	94140650 05 Apr 1994					PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Thailand	21881 23 Mar 1994	15705 22 Mar 1985				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Taiwan	83102380 18 Mar 1994		NI-081846 20 Feb 1997	18 Mar 2014	11 Nov 2000	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Ukraine (PCT)	95094235 14 Mar 1994	WO94/21579 29 Sep 1994				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
U.S.A. (PCT)	507429/08 14 Mar 1994	WO94/21579 29 Sep 1994	5672786 30 Sep 1997	30 Sep 2014	30 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
South Africa	94/1818 15 Mar 1994	24 Sep 1994	94/1818 30 Nov 1994	15 Mar 2014	15 Mar 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

PATENT

Base Application Data : 9306089.5 24 Mar 1993 GB

Family No. : 37480

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST WHICH COMPRISES ZINC OR A COMPOUND OF ZINC AND A METAL OXIDE, FLUORIDE OR OXYFLUORIDE, ESPECIALLY ZINC AND CHROMIA.

Official Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST WHICH COMPRISES ZINC OR A COMPOUND OF ZINC AND A METAL OXIDE, FLUORIDE OR OXYFLUORIDE, ESPECIALLY ZINC AND CHROMIA.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia (PCT)	62134/94 14 Mar 1994	WO94/21580 29 Sep 1994	691487	14 Mar 2014	14 Mar 2001	GRANTED
Belgium (EP)	94909204.3 14 Mar 1994	0690833 29 Sep 1994	0690833	14 Mar 2014	14 Mar 2001	GRANTED
Brazil (PCT)	PI9406201 14 Mar 1994	WO94/21580 29 Sep 1994	PI94-06201 8 Aug 2000	14 Mar 2014	14 Mar 2001	PENDING GRANTED
Canada (PCT)	2157878 14 Mar 1994	WO94/21580 29 Sep 1994			14 Mar 2001	PENDING
China (PCT)	94191525.5 14 Mar 1994	1119431 29 Sep 1994	54555 21 July 2000	14 Mar 2014	14 Mar 2001	PENDING GRANTED
Germany (EP)	94909204.3 14 Mar 1994	0690833 29 Sep 1994	69410456.6 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
Spain (EP)	94909204.3 14 Mar 1994	0690833 29 Sep 1994	2116586 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
France (EP)	94909204.3 14 Mar 1994	0690833 29 Sep 1994	0690833 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED

United Kingdom 9404703.2 10 Mar 1994
 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC
 United Kingdom 94090204.3 14 Mar 1994
 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC

PATENT

REEL: 012721 FRAME: 0556

Base Application Data : 9306089.5 24 Mar 1993 GB

Family No. : 37480

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE+
METHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE+

Official Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST WHICH COMPRISES ZINC OR A COMPOUND OF ZINC AND A METAL OXIDE, FLUORIDE OR OXYFLUORIDE, ESPECIALLY ZINC AND CHROMIA.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Ireland [EP]	94909204.3 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690833 29 Sep 1994	0690833 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
India	298/DEL/94 16 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Italy [EP]	94909204.3 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690833 28 Sep 1994	0690833 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
Japan [PCT]	520764/94 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/21580 29 Sep 1994				PENDING
S.Korea [PCT]	704055/095 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/21580 29 Sep 1994				PENDING
Luxembourg [EP]	94909204.3 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690833 29 Sep 1994	0690833 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
Mexico	9402150 24 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		189930 29 Sep 1998	24 Mar 2014	24 Mar 2005	GRANTED
Netherlands [EP]	94909204.3 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690833 29 Sep 1994	0690833 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
Portugal [EP]	94909204.3 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0690833 29 Sep 1994	0690833 20 May 1998	14 Mar 2014	14 Mar 2001	GRANTED
Russia [PCT]	95116158.00 14 Mar 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/21580 29 Sep 1994	2116288 27 Jul 1998	14 Mar 2014	14 Mar 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0557

PATENT PORTFOLIO - KLEA

Group Intellectual Property

Base Application Data : 9308089.5 24 Mar 1983 GB

Family No. : 37480

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST WHICH COMPRISES ZINC OR A COMPOUND OF ZINC AND A METAL OXIDE, FLUORIDE OR OXYFLUORIDE, ESPECIALLY ZINC AND CHROMIA.

Official Title : PRODUCTION OF DIFLUOROMETHANE PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE BY CONTACTING DICHLOROMETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST WHICH COMPRISES ZINC OR A COMPOUND OF ZINC AND A METAL OXIDE, FLUORIDE OR OXYFLUORIDE, ESPECIALLY ZINC AND CHROMIA.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Saudi Arabia	94140649 05 Apr 1994					PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Ireland	21882 23 Mar 1994	17007 29 Nov 1995				PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Jordan	83102375 18 Mar 1994					PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Ukraine [PCT]	95094274 14 Mar 1994	WO94/21580 29 Sep 1994				PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
U.S.A. [PCT]	522241/08 14 Mar 1994	WO94/21580 29 Sep 1994	5763704 08 Jun 1998	09 Jun 2015	09 Dec 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
South Africa	94/1826 15 Mar 1994	24 Sep 1994	94/1826 30 Nov 1994	15 Mar 2014	15 Mar 2001	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					

PATENT

REEL: 012721 FRAME: 0558

Base Application Data : 8308373.1 22 Apr 1993 GB

Family No. : 37537

Descriptive Title : VAPORISATION OF LIQUIDS TO PREVENT DEGRADATION OF ORGANICS SUCH AS TRICHLOROETHYLENE AND SYMTETRA IN THE COURSE OF VAPORISING THE SAME+

Official Title : VAPORISATION OF LIQUIDS TO PREVENT DEGRADATION OF ORGANICS SUCH AS TRICHLOROETHYLENE AND SYMTETRA IN THE COURSE OF VAPORISING THE SAME AT HIGH TEMPERATURES. THE ORGANIC IS MIXED WITH HYDROGEN FLUORIDE WHICH HAS THE EFFECT OF PRODUCING A MIXTURE HAVING A LOWER BOILING POINT AND THE ORGANIC/HF ARE COVAPORISED. USEFUL IN FLUORINATION REACTIONS WHERE HF FORMS THE FLUORINATING AGENT.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada [PCT]	2157482 14 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/23813 27 Oct 1994			14 Apr 2001	PENDING
China [PCT]	94191858.4 14 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1121696 27 Oct 1994	50278	14 Apr 2001	14 Apr 2001	GRANTED
European [PCT]	94912611.4 14 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0654034 27 Oct 1994		14 Apr 2001	14 Apr 2001	PENDING
India	472/JOEL/94 21 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Japan [PCT]	522901/94 14 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	508992/96 27 Oct 1994				PENDING
S.Korea [PCT]	704602/95 14 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/23813 27 Oct 1994				PENDING
Mexico	942928 22 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	22 Oct 1994				PENDING
Taiwan	83103489 19 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					GRANTED
U.S.A. [PCT]	533590/08 14 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO94/23813 27 Oct 1994	6034288	19 Apr 2014	11 Dec 2000	GRANTED
South Africa	94/2652 18 Apr 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	22 Oct 1994	94/2652	18 Apr 2014	18 Apr 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0559

Base Application Data : 9212328.0 10 Jun 1992 GB

Family No. : 37581

Descriptive Title : PRODUCTION OF TETRAFLUOROETHANES PROCESS FOR THE PRODUCTION OF
TETRAFLUOROETHANES (HFAS134 AND 134A) BY CONTACTING+

Official Title : PRODUCTION OF TETRAFLUOROETHANES PROCESS FOR THE PRODUCTION OF TETRAFLUOROETHANES (HFAS134 AND 134A) BY CONTACTING
1,1,2,2-TETRACHLOROETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A CATALYST IN THE VAPOUR PHASE. PREFERABLY THE PROCESS IS PERFORMED
WITH A MIXED FEED OF 1,1,2-TETRACHLOROETHANE AND TRICHLOROETHYLENE, IN PARTICULAR USING THE ARRANGEMENT OF REACTORS DESCRIBED IN QM35681

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Belgium [EP]	93913313.8 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	605683 A1 13 Jul 1994	0605683 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED
Canada [PCT]	2115430 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO83/25506 23 Dec 1983			08 Jun 2000	PENDING
Germany [EP]	93913313.8 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	605683 A1 13 Jul 1994	P69313610.3 03 Sep 1987	08 Jun 2013	08 Jun 2000	GRANTED
Spain [EP]	93913313.8 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	605683 A1 13 Jul 1994	2107037 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED
France [EP]	93913313.8 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	605683 A1 13 Jul 1994	0605683 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED
United Kingdom [EP]	93913313.8 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	605683 A1 13 Jul 1994	0605683 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED
Ireland [EP]	93913313.8 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	605683 A1 13 Jul 1994	0605683 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED
Italy [EP]	93913313.8 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	605683 A1 13 Jul 1994	0605683 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED
Japan [PCT]	501255/94 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO93/25506 23 Dec 1993				PENDING
Luxembourg [EP]	93913313.8 08 Jun 1993 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	605683 A1 13 Jul 1994	0605683 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED

Base Application Data : 9212328.0 10 Jun 1992 GB

Family No. : 37581

Descriptive Title : PRODUCTION OF TETRAFLUOROETHANES PROCESS FOR THE PRODUCTION OF
TETRAFLUOROETHANES (HFAS134 AND 134A) BY CONTACTING+

Official Title : PRODUCTION OF TETRAFLUOROETHANES PROCESS FOR THE PRODUCTION OF TETRAFLUOROETHANES (HFAS134 AND 134A) BY CONTACTING
1,1,2,2-TETRACHLOROETHANE WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A CATALYST IN THE VAPOUR PHASE. PREFERABLY THE PROCESS IS PERFORMED
WITH A MIXED FEED OF 1,1,2-TETRACHLOROETHANE AND TRICHLOROETHYLENE, IN PARTICULAR USING THE ARRANGEMENT OF REACTORS DESCRIBED IN QM35681

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Netherlands[EP]	93913313.8 08 Jun 1983	605683 A1 13 Jul 1994	0605683 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED
Portugal [EP]	93913313.8 08 Jun 1993	605683 A1 13 Jul 1994	0605683 03 Sep 1997	08 Jun 2013	08 Jun 2000	GRANTED
U.S.A.	2 576049/08 21 Dec 1995 APPLICANT : Miscellaneous Inventors	WO93/25506 23 Dec 1993	5744660 28 Apr 1998	08 Jun 2013	28 Oct 2001	GRANTED
U.S.A. [PCT]	190191/08 08 Jun 1993 APPLICANT : Miscellaneous Inventors	WO93/25506 23 Dec 1993				PENDING

Base Application Data : 9325756.6 16 Dec 1993 GB

Family No. : 37895

Descriptive Title : PRODUCTION OF PENTAFLUOROETHANE PROCESS FOR THE PRODUCTION OF PENTAFLUOROETHANE (HFA 125) BY (I) FORMING A COMPOSITION COMPRISING+

Official Title : PRODUCTION OF PENTAFLUOROETHANE PROCESS FOR THE PRODUCTION OF PENTAFLUOROETHANE (HFA 125) BY (I) FORMING A COMPOSITION COMPRISING CHLOROTETRA FLUOROETHANE (HCFC 124) CONTAMINATED WITH DICHLOROTETRAFLUOROETHANE (CFC 114A), EG BY CHLORINATION OF A TETRAFLUOROETHANE, (II) SEPARATING HCFC 124 FROM CFC 114A AND (III) CONTACTING HCFC 124 WITH HYDROGEN FLUORIDE IN THE PRESENCE OF A FLUORINATION CATALYST.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada [PCT]	2179162 07 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	95/18654 22 Jun 1995			07 Dec 2000	PENDING
European [PCT]	95903403.4 07 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0734368 22 Jun 1995			07 Dec 2000	PENDING
Japan	113275/95 11 May 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	8-301800 19 Nov 1998				PENDING
U.S.A.	2 244716/09 04 Feb 1999 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		6127596 3 Oct 2000			PENDING GRANTED
U.S.A. [PCT]	563068/08 07 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/16654 22 Jun 1995	5698068 27 Apr 1999		27 Oct 2002	GRANTED

Family No.: 37921

Base Application Data : 9328233.5 23 Dec 1993 GB

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE. PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE COMPRISING CONTACTING BIS(FLUOROMETHYL)ETHER IN THE+
DIFLUOROMETHANE COMPRISING CONTACTING BIS(FLUOROMETHYL)ETHER IN THE+

Official Title : PRODUCTION OF DIFLUOROMETHANE. PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE COMPRISING CONTACTING BIS(FLUOROMETHYL)ETHER IN THE LIQUID
PHASE WITH BORON TRIFLUORIDE UNDER CONDITIONS OF TEMPERATURE AND PRESSURE SUCH THAT THE MOLAR RATIO OF BIS(FLUOROMETHYL)ETHER TO BORON
TRIFLUORIDE IS AT LEAST 1:0.05.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Belgium [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Canada [PCT]	2179158 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO 95/17364 29 Jun 1995			14 Dec 2000	PENDING
Switzerland [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Germany [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	69418343.1 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Denmark [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
European [PCT]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 1999	GRANTED
Spain [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	2131795 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
France [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED

~~Switzerland [EP]~~ 95902899.4 14 Dec 1994 ~~0735997~~ 29 Jun 1995 ~~0735997~~ 06 May 1999 ~~14 Dec 2014~~ ~~14 Dec 2000~~ ~~GRANTED~~
~~APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC~~

PATENT

Family No. : 37921

Base Application Data : 9326233.5 23 Dec 1893 GB

Descriptive Title : PRODUCTION OF DIFLUOROMETHANE. PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE COMPRISING CONTACTING BIS(FLUOROMETHYL)ETHER IN THE+

Official Title : PRODUCTION OF DIFLUOROMETHANE. PROCESS FOR THE PRODUCTION OF DIFLUOROMETHANE COMPRISING CONTACTING BIS(FLUOROMETHYL)ETHER IN THE LIQUID PHASE WITH BORON TRIFLUORIDE UNDER CONDITIONS OF TEMPERATURE AND PRESSURE SUCH THAT THE MOLAR RATIO OF BIS(FLUOROMETHYL)ETHER TO BORON TRIFLUORIDE IS AT LEAST 1:0.05.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Greece [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	3030180 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Ireland [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Italy [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Japan [PCT]	517253/95 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO 95/17364 29 Jun 1995				PENDING
Luxembourg [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Monaco [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Netherlands [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Portugal [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
Sweden [EP]	95902899.4 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0735997 29 Jun 1995	0735997 06 May 1999	14 Dec 2014	14 Dec 2000	GRANTED
U.S.A. [PCT]	663038/08 14 Dec 1994 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO 95/17364 29 Jun 1995				PENDING

PATENT

Family No. : 40032

Descriptive Title : SOLVENT EXTRACTION PROCESS, A PROCESS FOR EXTRACTING A COMPOUND OR COMPOSITION OF MATTER FROM A RAW MATERIAL CONTAINING THAT COMPOUND OR+

Official Title : SOLVENT EXTRACTION PROCESS, A PROCESS FOR EXTRACTING A COMPOUND OR COMPOSITION OF MATTER FROM A RAW MATERIAL CONTAINING THAT COMPOUND OR COMPOSITION AS A CONSTITUENT PART, WHICH COMPRISES THE STEPS OF (1) CONTACTING A SAMPLE OF THE RAW MATERIAL WITH AN EXTRACTION SOLVENT COMPRISING A C1-4 (HYDRO)FLUOROCARBON AND (2) SEPARATING THE SOLVENT LIQUOR THUS OBTAINED CONTAINING THE EXTRACT FROM THE RAW MATERIAL.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	18970/95 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/26794 12 Oct 1995	678104 04 Sep 1997	15 Mar 2015	15 Mar 2001	GRANTED
Brazil [PCT]	PI 9507212-8 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/26794 12 Oct 1995			15 Mar 2001	PENDING
Canada [PCT]	2185422 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/26794 12 Oct 1995			15 Mar 2001	PENDING
China [PCT]	95192873.2 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1147208 12 Oct 1995			15 Mar 2001	PENDING
European [PCT]	95911388.7 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0752903 12 Oct 1995			15 Mar 2001	PENDING
Hungary [PCT]	P9602487 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/26794 12 Oct 1995				PENDING
Japan [PCT]	525288/95 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/26794 12 Oct 1995				PENDING
S.Korea [PCT]	705279/96 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/26794 12 Oct 1995				PENDING
New Zealand [PCT]	281989 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/26794 12 Oct 1995	281989 14 Sep 1998	15 Mar 2015	15 Mar 2002	GRANTED
Russia [PCT]	96119790 15 Mar 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/26794 12 Oct 1995	2141671 27 MAY 2000		15 Mar 1997	GRANTED

PATENT

Base Application Data : 9406423.5 31 Mar 1994 GB

Family No. : 40032

Descriptive Title : SOLVENT EXTRACTION PROCESS. A PROCESS FOR EXTRACTING A COMPOUND OR COMPOSITION OF MATTER FROM A RAW MATERIAL CONTAINING THAT COMPOUND OR

Official Title : SOLVENT EXTRACTION PROCESS. A PROCESS FOR EXTRACTING A COMPOUND OR COMPOSITION OF MATTER FROM A RAW MATERIAL CONTAINING THAT COMPOUND OR COMPOSITION AS A CONSTITUENT PART, WHICH COMPRISES THE STEPS OF (1) CONTACTING A SAMPLE OF THE RAW MATERIAL WITH AN EXTRACTION SOLVENT COMPRISING A C1-4 (HYDRO)FLUOROCARBON AND (2) SEPARATING THE SOLVENT LIQUOR THUS OBTAINED CONTAINING THE EXTRACT FROM THE RAW MATERIAL.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
U.S.A. [PCT]	716269/08 15 Mar 1995	WO95/26794 12 Oct 1995				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Group Intellectual Property

tion

Base Application Data : 9406813.7 05 Apr 1994 GB

Family No. : 40046

Descriptive Title : PRODUCTION OF PENTAFLUOROETHANE PROCESS IS UNDER DEVELOPMENT AS A ROUTE TO HFA 125, IN PARTICULAR AS A RETROFIT ROUTE FOR A CFC 115+

Official Title : PRODUCTION OF PENTAFLUOROETHANE PROCESS IS UNDER DEVELOPMENT AS A ROUTE TO HFA 125, IN PARTICULAR AS A RETROFIT ROUTE FOR A CFC 115 PLANT.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada (PCT)	2184981 04 Apr 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/27688 19 Oct 1995			04 Apr 2001	PENDING
European (PCT)	95913906.4 04 Apr 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0754170 19 Oct 1995			04 Apr 2001	PENDING
Japan (PCT)	526151/95 04 Apr 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/27688 19 Oct 1995				PENDING
U.S.A. (PCT)	716369/08 04 Apr 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO95/27688 19 Oct 1995	5763707	09 Jun 1998	09 Dec 2001	GRANTED

Family No. : 40048

Base Application Data : 8406961.4 08 Apr 1994 GB

Descriptive Title : PROCESS FOR THE PURIFICATION OF PENTAFLUOROETHANE PROCESS MAY BE USED TO EFFICIENTLY SEPARATE 115 FROM 125 WHICH ICI HAS MADE OR MAY BE

Official Title : PROCESS FOR THE PURIFICATION OF PENTAFLUOROETHANE PROCESS MAY BE USED TO EFFICIENTLY SEPARATE 115 FROM 125 WHICH ICI HAS MADE OR MAY BE USED TO PURIFY IMPURE 125 WHICH ICI HAS BOUGHT.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada [PCT]	2185328 27 Mar 1995	WO85/27689 19 Oct 1995			27 Mar 2001	PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
European [PCT]	95912358.9 27 Mar 1995	0754171 19 Oct 1995			27 Mar 2001	PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Japan [PCT]	525952/95 27 Mar 1995	WO95/27689 19 Oct 1995				PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
U.S.A. [PCT]	716370/08 27 Mar 1995	WO95/27689 19 Oct 1995	5928479	23 Sep 2017	27 Jan 2003	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					

Group Intellectual Property
Division

Base Application Data : 9407743.5 19 Apr 1994 GB

Family No. : 40057

Descriptive Title : SOLVENT EXTRACTION PROCESS. A PROCESS FOR EXTRACTION A COMPOUND OR COMPOSITION OF MATTER FROM A RAW MATERIAL CONTAINING THAT COMPOUND OR+

Official Title : SOLVENT EXTRACTION PROCESS. A PROCESS FOR EXTRACTION A COMPOUND OR COMPOSITION OF MATTER FROM A RAW MATERIAL CONTAINING THAT COMPOUND OR COMPOSITION AS A CONSTITUENT PART, WHICH PROCESS COMPRISES THE STEPS OF (1) CONTACTING A SAMPLE OF THE RAW MATERIAL WITH AN EXTRACTION SOLVENT COMPRISING A (HYDRO) FLUOROCARBON ETHER AND (2) SEPARATING THE SOLVENT LIQUOR THUS OBTAINED CONTAINING THE EXTRACT FROM THE RAW MATERIAL.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom	9503875.8 27 Feb 1995					645560
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Family No. : 40063

Base Application Data : 9407886.2 21 Apr 1994 GB

Descriptive Title : PURIFICATION PROCESS. A PROCESS FOR PURIFYING A CRUDE MATERIAL BY
LIQUID CHROMATOGRAPHY IS DESCRIBED.

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	22201/95 13 Apr 1995	WO95/29003 02 Nov 1995	596099 17 Dec 1998	13 Apr 2015	13 Apr 2001	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
European [PCT]	95915259.8 13 Apr 1995	0756510 02 Nov 1995				
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
New Zealand [PCT]	283781 13 Apr 1995	WO95/29003 02 Nov 1995	283781 12 Oct 1998	13 Apr 2015	13 Apr 2002	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
U.S.A. 2	170869/09 14 Oct 1998					
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
U.S.A. [PCT]	727462/08 13 Apr 1995	WO95/29003 02 Nov 1995	5824225 20 Oct 1998	13 Apr 2015	20 Apr 2002	GRANTED
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Family No. : 40206

Base Application Data : 9414110.8 13 Jul 1994 GB

Descriptive Title : REFRIGERANT COMPOSITIONS A NON-AZEOTROPIC REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) AT LEAST ONE COMPOUND SELECTED FROM THE+

Official Title : REFRIGERANT COMPOSITIONS A NON-AZEOTROPIC REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) AT LEAST ONE COMPOUND SELECTED FROM THE GROUP CONSISTING OF CARBON DIOXIDE (CO2) AND FLUOROMETHANE (R-41), (B) AT LEAST ONE COMPOUND SELECTED FROM THE GROUP CONSISTING OF HYDROFLUOROCARBON ETHER, AND (C) AT LEAST ONE HYDROCARBON.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	E178202 21 Apr 1998	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Australia (PCT)	2804095 06 Jul 1995	WO96/02604 01 Feb 1996	693228 06 Nov 1998	06 Jul 2015	06 Jul 1999	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Belgium (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	0770112 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Switzerland (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	0770112 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Germany (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	69500238.3 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Denmark (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	0770112 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Spain (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	0770112 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
France (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	0770112 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
United Kingdom (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	0770112 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Greece (EP)	95923510.2 06 Jul 1995	0770112 01 Feb 1998	0770112 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT : IMPERIAL-CHEMICAL-INDUSTRIES-PLC						

All to be
abandoned

PATENT

REEL: 012721 FRAME: 0571

Base Application Data : 9414110.8 13 Jul 1994 GB

Family No. : 40206

Descriptive Title : REFRIGERANT COMPOSITIONS A NON-AZEOTROPIC REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) AT LEAST ONE COMPOUND SELECTED FROM THE+

Official Title : REFRIGERANT COMPOSITIONS A NON-AZEOTROPIC REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) AT LEAST ONE COMPOUND SELECTED FROM THE GROUP CONSISTING OF CARBON DIOXIDE (CO₂) AND FLUOROMETHANE (R-41), (B) AT LEAST ONE COMPOUND SELECTED FROM THE GROUP CONSISTING OF HYDROFLUOROCARBON ETHER, AND (C) AT LEAST ONE HYDROCARBON.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Ireland (EP)	95923540.2 06 Jul 1996	0770442 01 Feb 1996	0770442 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Italy (EP)	95923540.2 06 Jul 1996	0770442 01 Feb 1996	0770442 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Luxembourg (EP)	95923540.2 06 Jul 1996	0770442 01 Feb 1996	0770442 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Morocco (EP)	95923540.2 06 Jul 1996	0770442 01 Feb 1996	0770442 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Netherlands (EP)	95923540.2 06 Jul 1996	0770442 01 Feb 1996	0770442 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Portugal (EP)	95923540.2 06 Jul 1996	0770442 01 Feb 1996	0770442 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC						
Sweden (EP)	95923540.2 06 Jul 1996	0770442 01 Feb 1996	0770442 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC						

All to be
abandoned

PATENT

REEL: 012721 FRAME: 0572

Base Application Data : 9414133.0 13 Jul 1994 GB

Family No. : 40209

Descriptive Title : REFRIGERANT COMPOSITIONS A NON-AZEOTROPIC REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) CARBON DIOXIDE (CO₂), (B) AT LEAST ONE

Official Title : REFRIGERANT COMPOSITIONS A NON-AZEOTROPIC REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) CARBON DIOXIDE (CO₂), (B) AT LEAST ONE HYDROFLUOROCARBON SELECTED FROM THE GROUP CONSISTING OF 1,1,1,2-TETRAFLUOROETHANE (R-134A) AND 1,1,1,2-TETRAFLUOROETHANE (R-134), AND (C) AT LEAST ONE HYDROFLUOROCARBON SELECTED FROM THE GROUP FLUOROETHANE (R-125).

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Austria [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	E179203 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Australia [PCT]	28050/95 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/02806 01 Feb 1996	692567 05 Nov 1998	06 Jul 2015	06 Jul 1999	GRANTED
Belgium [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Switzerland [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	08 Jul 2000	GRANTED
Germany [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	69509239.1 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Denmark [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	08 Jul 2015	08 Jul 2000	GRANTED
Spain [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
France [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
United Kingdom [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Greece [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	08 Jul 2015	08 Jul 2000	GRANTED

Family No. : 40209

Base Application Data : 9414133.0 13 Jul 1994 GB

Descriptive Title : REFRIGERANT COMPOSITIONS A NON-AZEOTROPIC REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) CARBON DIOXIDE (CO₂), (B) AT LEAST ONE

Official Title : REFRIGERANT COMPOSITIONS A NON-AZEOTROPIC REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) CARBON DIOXIDE (CO₂), (B) AT LEAST ONE HYDROFLUOROCARBON SELECTED FROM THE GROUP CONSISTING OF 1,1,1,2-TETRAFLUOROETHANE (R-134A) AND 1,1,1,2-TETRAFLUOROETHANE (R-134), AND (C) AT LEAST ONE HYDROFLUOROCARBON SELECTED FROM THE GROUP FLUOROETHANE (R-125).

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Ireland [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Italy [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Luxembourg [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Monaco [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	08 Jul 2000	GRANTED
Netherlands [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Portugal [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED
Sweden [EP]	95923512.8 06 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0770113 01 Feb 1996	0770113 21 Apr 1999	06 Jul 2015	06 Jul 2000	GRANTED

PATENT

Base Application Data : 9415140.4 27 Jul 1994 GB

Family No. : 40224

Descriptive Title : REFRIGERANT COMPOSITIONS. A REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) AT LEAST ONE HYDROFLUOROCARBON SELECTED FROM THE GROUP+

Official Title : REFRIGERANT COMPOSITIONS. A REFRIGERANT COMPOSITION IS DESCRIBED COMPRISING (A) AT LEAST ONE HYDROFLUOROCARBON SELECTED FROM THE GROUP+
OPTIONALLY (D) AT LEAST ONE HYDROFLUOROCARBON SELECTED FROM THE GROUP+ CONSISTING OF 1,1,1,2-TETRAFLUOROETHANE (R-134A) AND 1,1,2,2-TETRAFLUOROETHANE (R-134).

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	29887/95 24 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/03473 08 Feb 1996	698733 18 Feb 1999	24 Jul 2015	24 Jul 1999	GRANTED
Brazil [PCT]	PI9508347-2 24 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/03473 08 Feb 1996			24 Jul 2000	PENDING
Canada [PCT]	2195411 24 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/03473 08 Feb 1996			24 Jul 2000	PENDING
European [PCT]	95925949.0 24 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0772659 08 Feb 1996			24 Jul 2000	PENDING
Japan [PCT]	505577/96 24 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/03473 08 Feb 1996				PENDING
S. Korea [PCT]	700499/97 24 Jul 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/03473 08 Feb 1996				PENDING

PATENT

REEL: 012721 FRAME: 0575

ICI Group Intellectual Property
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PATENT PORTFOLIO - KLEA

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Family No. : 40248

Base Application Data : 8416009.0 08 Aug 1994 GB

Descriptive Title : A PROCESS FOR THE PRODUCTION OF A FLUORINE CONTAINING OLEFIN,
PARTICULARLY TRIFLUORO-ETHYLENE, IS DESCRIBED. THE PROCESS COMPRISES+

Official Title :

A PROCESS FOR THE PRODUCTION OF A FLUORINE CONTAINING OLEFIN, PARTICULARLY TRIFLUORO-ETHYLENE, IS DESCRIBED. THE PROCESS COMPRISES PASSING
A GASEOUS FEED CONTAINING A SATURATED HYDROHALOCARBON REACTANT HAVING A FLUORINE SUBSTITUENT AND ONE OR MORE FURTHER HALOGEN
SUBSTITUENTS THROUGH A HEATED REACTION ZONE IN WHICH THERE IS CONTAINED A LEWIS ACID CATALYST.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
European (PGT)	65027042.2 31-Jul-1995	0775100 22-Feb-1996			31-Jul-2000	PENDING
	APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					
Japan (PGT)	507051/95 31-Jul-1995	WO96/05157 22-Feb-1996				PENDING
	APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					
U.S.A. (PGT)	775644/96 31-Jul-1995	WO96/05157 22-Feb-1996	5856609 05-Jan-1999	31-Jul-2015	05-Jul-2002	GRANTED
	APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					

All to be
abandoned

Base Application Data : 9417116.2 24 Aug 1994 GB

Family No. : 40267

Descriptive Title : PURIFICATION FOR THE MANUFACTURE OF PENTA- FLUOROETHANE PROCESS FOR
MANUFACTURE OF PENTAFLUOROETHANE [HFA 125] BY REACTING+Official Title : PURIFICATION FOR THE MANUFACTURE OF PENTA-FLUOROETHANE PROCESS FOR MANUFACTURE OF PENTAFLUOROETHANE [HFA 125] BY REACTING
PERCHLOROETHYLENE WITH HYDROGEN FLUORIDE IN THE GAS PHASE OVER A CATALYST WITH RECYCLE OF DICHLOROTRIFLUORO-ETHANE [HCFC 123] AND
CHLOROTETRAFLUORO-ETHANE [HFA 124] WHEREIN TETRAFLUOROETHANE [HFA 134A] IS ALSO RECYCLED TO THE FLUORINE NATION REACTOR.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Belgium [EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
Canada [PCT]	2197060 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/06082 29 Feb 1996				PENDING
China [PCT]	95195885.X 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1160390 29 Feb 1996	57328 14 July 2000	8 Aug 2015	08 Aug 2000	PENDING/GRANTED
Germany [EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
European [PCT]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
Spain [EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
France [EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
Hong Kong	98101872.4 06 Mar 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1002656A 11 Sep 1998				PENDING
Ireland [EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
Italy [EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED

Base Application Data : 9417116.2 24 Aug 1994 GB

Family No. : 40267

Descriptive Title : PURIFICATION FOR THE MANUFACTURE OF PENTA- FLUOROETHANE PROCESS FOR
MANUFACTURE OF PENTAFLUOROETHANE [HFA 125] BY REACTING+

Official Title : PURIFICATION FOR THE MANUFACTURE OF PENTA- FLUOROETHANE PROCESS FOR MANUFACTURE OF PENTAFLUOROETHANE [HFA 125] BY REACTING
PERCHLOROETHYLENE WITH HYDROGEN FLUORIDE IN THE GAS PHASE OVER A CATALYST WITH RECYCLE OF DICHLOROTRIFLUORO- ETHANE [HCFC 123] AND
CHLOROTETRAFLUORO- ETHANE [HFA 124] WHEREIN TETRAFLUOROETHANE [HFA 134A] IS ALSO RECYCLED TO THE FLUORI- NATION REACTOR.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Japan [PCT]	507839/95 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/06062 29 Feb 1996				PENDING
Luxembourg [EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
Mexico [PCT]	971172 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/06062 29 Feb 1996				PENDING
Netherlands[EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
Portugal [EP]	95927866.4 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0777638 29 Feb 1996	0777638 05 Jan 2000	08 Aug 2015	08 Aug 2000	GRANTED
U.S.A. [PCT]	793169/08 08 Aug 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/06062 29 Feb 1996	5962753 05 Oct 1999	08 Aug 2015	05 Apr 2003	GRANTED

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PATENT PORTFOLIO - KLEA

Base Application Data : 9421619.9 27 Oct 1994 GB

Family No. : 50006

Descriptive Title : PRODUCTION OF HYDROFLUOROALKANES

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada [PCT]	2203383 23 Oct 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/13476 09 May 1996			23 Oct 2000	PENDING
European [PCT]	95934717.0 23 Oct 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0788469 09 May 1996	0788469 05 Apr 2000	23 Oct 2015	23 Oct 2000	GRANTED
India	1961/DEL/95 26 Oct 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC			27 Oct 2010		PENDING
Japan [PCT]	514380/96 23 Oct 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/13476 09 May 1996				PENDING
Mexico	954523 26 Oct 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Taiwan	84111242 24 Oct 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		NI-082899 01 Jan 1997	24 Oct 2015	01 Jan 2001	GRANTED
U.S.A. [PCT]	817735/08 23 Oct 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WQ96/13476 09 May 1996				PENDING
South Africa	95/9126 27 Oct 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		95/9126 28 Aug 1996	27 Oct 2015	27 Oct 2000	GRANTED

Family No. : 50020

Base Application Data : 9424904.2 09 Dec 1994 GB

Descriptive Title : HYDROGENATION CATALYST COMPRISING Pd AND Pt ON A SUPPORT WHICH IS USEF

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada (PCT)	2208337 06 Dec 1985 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/17683 13 Jun 1996			06 Dec 2000	PENDING
European (PCT)	95938548.5 06 Dec 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0796148 13 Jun 1996			06 Dec 2000	PENDING
India	2267/DEL/95 08 Dec 1995 APPLICANT :					PENDING
Japan (PCT)	517405/96 08 Dec 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/17883 13 Jun 1996				PENDING
Mexico	955154 08 Dec 1995 APPLICANT :		195014 19 MAY 2000			GRANTED
Taiwan	84113046 07 Dec 1995 APPLICANT :		NI-102463 17 Aug 1999	07 Dec 2015	21 Apr 2001	GRANTED
U.S.A. (PCT)	849492/08 06 Dec 1995 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO96/17683 13 Jun 1996				PENDING
South Africa	95/10382 08 Dec 1995 APPLICANT :		95/10382 28 Aug 1996	06 Dec 2015	06 Dec 2000	GRANTED

Family No. : 50133

Descriptive Title : Refrigerant Compositions

Official Title : Refrigerant Compositions

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada (PCT)	2327917 12 Aug 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO9707181 27 Feb 1997			12 Aug 2000	PENDING
European (PCT)	08027757.3 12 Aug 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	0845024 27 Feb 1997			12 Aug 2000	PENDING
Japan (PCT)	500032497 12 Aug 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO9707181 27 Feb 1997				PENDING
U.S.A. (PCT)	011726J00 12 Aug 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO9707181 27 Feb 1997				PENDING

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Family No. : 50134

Descriptive Title: Refrigerant Compositions

Base Application Data : 8516920.7 18 Aug 1995 GB

Official Title : Refrigerant Compositions

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada (PCT)	2227857 12 Aug 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/07470 27 Feb 1997			12 Aug 2000	PENDING
European (PCT)	06927446.9 12 Aug 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	0845019 27 Feb 1997			12 Aug 2000	PENDING
Japan (PCT)	509029/97 12 Aug 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/07470 27 Feb 1997				PENDING
U.S.A. (PCT)	011854100 12 Aug 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/07470 27 Feb 1997				PENDING

• All to be abandoned

Base Application Data : 9520644.7 10 Oct 1995 GB

Family No. : 50152

Descriptive Title : Hydrogen Fluoride Recovery Process

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Brazil [PCT]	P19610789.8 24 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/13719 17 Apr 1997			24 Sep 2000	PENDING
Canada [PCT]	2234663 24 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/13719 17 Apr 1997			24 Sep 2000	PENDING
China [PCT]	96198843.3 24 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	1204297 17 Apr 1997			24 Sep 2000	PENDING
European [PCT]	96931180.2 24 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0854838 17 Apr 1997			24 Sep 2000	PENDING
India	2137/DEL/96 27 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Japan [PCT]	514790/97 24 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/13719 17 Apr 1997				PENDING
S.Korea [PCT]	702616/98 24 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/13719 17 Apr 1997				PENDING
Mexico [PCT]	982850 24 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/13719 17 Apr 1997				PENDING
Russia [PCT]	98108542 24 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/13719 17 Apr 1997			24 Sep 1998	PENDING
Taiwan	85111736 25 Sep 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC		NI-094966 21 Jun 1998	25 Sep 2016	21 Jun 2000	GRANTED

PATENT

REEL: 012721 FRAME: 0583

Base Application Data : 9520644.7 10 Oct 1995 GB

Family No. : 50152

Descriptive Title : Hydrogen Fluoride Recovery Process

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
U.S.A. [PCT]	051508/08 24 Sep 1996	WO97/13719 17 Apr 1997				PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
South Africa	968228 30 Sep 1996	10 Apr 1997	96/8228 25 Jun 1997	30 Sep 2016	30 Sep 2000	GRANTED
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					

PATENT PORTFOLIO - KLEA

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Patent

Base Application Data : 8521920.0 26 Oct 1995 GB

Family No. : 50158

Descriptive Title : WORKING FLUID COMPOSITIONS

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom	9521120.0 10 Oct 1996	2386497 07 May 1997				Lapsed
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Family No.: 50160

Descriptive Title: REFRIGERANT COMPOSITIONS

Base Application Data: 952377.2 01 Nov 1995 GB

Official Title: REFRIGERANT COMPOSITIONS

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	73149/98 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/16501 09 May 1997			21 Oct 2000	PENDING
Brazil [PCT]	P19611201.8 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/16501 09 May 1997			21 Oct 2000	PENDING
Canada [PCT]	2236273 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/16501 09 May 1997			21 Oct 2000	PENDING
China [PCT]	96198139.9 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	1205734 09 May 1997			21 Oct 2000	PENDING
European [PCT]	96935049.5 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	0858490 09 May 1997			21 Oct 2000	PENDING
Japan [PCT]	517130/97 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/16501 09 May 1997				PENDING
S.Korea [PCT]	703169/98 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/16501 09 May 1997				PENDING
U.S.A. [PCT]	066433/09 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/16501 09 May 1997				PENDING
Viet Nam [PCT]	S19980425 21 Oct 1996 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/16501 09 May 1997				PENDING

Base Application Data : 9524268.1 28 Nov 1995 GB

Family No. : 50173

Descriptive Title : RECOVERY OF HCFC 133A AS CO-PRODUCT OF HFA 134A PRODUCTION FROM TRICHLOROETHYLENE.

Official Title :

Country		Application Details		Publication Details		Grant Details		Expiry Date	Next Renewal	Status
Brazil [PCT]	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	P19611680-9	26 Nov 1996	97/19903	05 Jun 1997				26 Nov 2000	PENDING
Canada [PCT]	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	2238508	26 Nov 1998	97/19903	05 Jun 1997				28 Nov 2000	PENDING
China [PCT]	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	96199775.3	26 Nov 1996	1207723	05 Jun 1997				26 Nov 2000	PENDING
European [PCT]	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	96939223.2	26 Nov 1998	97/19903	05 Jun 1997				26 Nov 2000	PENDING
Japan [PCT]	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	520286/97	26 Nov 1996	97/19903	05 Jun 1997					PENDING
Mexico [PCT]	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	984231	26 Nov 1996	97/19903	05 Jun 1997					PENDING
Russia [PCT]	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	98112126	26 Nov 1996	97/19903	05 Jun 1997				26 Nov 1998	PENDING
U.S.A. [PCT]	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	077273/09	26 Nov 1998	97/19903	05 Jun 1997					PENDING

PATENT

REEL: 012721 FRAME: 0587

Base Application Data : 9800072.4 04 Jan 1996 GB

Family No. : 50186

Descriptive Title : Production of Sevoflurane Anaesthetic from BFME and
 Hexafluoroisopropanol

Official Title : PROCESS FOR THE PRODUCTION OF FLUOROMETHYLHEXAFLUOROISOPROPANOL

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada [PCT]	2241630 06 Dec 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/25303 17 Jul 1997			06 Dec 2000	PENDING
European [PCT]	96941130.5 06 Dec 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0876320 17 Jul 1997			08 Dec 2000	PENDING
Japan [PCT]	524934/97 06 Dec 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/25303 17 Jul 1997				PENDING
U.S.A. [PCT]	101125/09 06 Dec 1996 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO97/25303 17 Jul 1997	5890359	23 Nov 1999	06 Dec 2016	23 May 2003 GRANTED

Family No. : 50188

Descriptive Title : HYDROGENATION CATALYST COMPRISING PALLADIUM AND AN ALKALI METAL ESPECIALLY POTASSIUM AND PROCESS FOR MAKING DIFLUOROMETHANE

Official Title : HYDROGENATION CATALYST AND PROCESS

Country	Application Details		Publication Details		Grant Details		Status
	No.	Date	No.	Date	Expiry Date	Next Renewal	
Canada [PCT]	2242361	12 Dec 1996	WO97/25142	17 Jul 1997		12 Dec 2000	PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC							
European [PCT]	96941780.7	12 Dec 1996	0881946	17 Jul 1997		12 Dec 2000	PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC							
Japan [PCT]	524935/97	12 Dec 1996	WO97/25142	17 Jul 1997			PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC							
U.S.A. [PCT]	101529/09	12 Dec 1996	WO97/25142	17 Jul 1997			PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC							

Base Application Data : 9618879.4 10 Aug 1896 GB

Family No. : 50283

Descriptive Title : Removal of Water (generated by catalyst) from Hydrofluorination
Reaction Product Streams by Combination of Phase Separation and +

Official Title : Removal of Water from Process Streams

Grant Details:		Publication Details:		Expiry Date	Next Renewal	Status
Country	Application Details					
Canada [PCT]	2261190	05 Aug 1997	WO97/06685	19 Feb 1998	05 Aug 2000	PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
China [PCT]	97197214.1	05 Aug 1997	1227535	19 Feb 1998	05 Aug 2000	PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
European [PCT]	97934650.9	05 Aug 1997	0923514	19 Feb 1998	05 Aug 2000	PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
Japan [PCT]	509478/98	05 Aug 1997	WO97/06685	19 Feb 1998		PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
S.Korea [PCT]	7001074/99	05 Aug 1997	WO97/06685	19 Feb 1998		PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					
U.S.A. [PCT]	242053/09	05 Aug 1997	WO97/06685	19 Feb 1998		PENDING
	APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					

Base Application Data : 9818181.3 30 Aug 1996 GB

Family No. : 50308

Descriptive Title : Refrigerant Compositions for Use as a Replacement for Refrigerant R-11

Official Title : Refrigerant Compositions

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
European (PCT)	97938799.2 18 Aug 1997	WO98/08913 05 Mar 1998				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
Japan (PCT)	511358/98 18 Aug 1997	WO98/08913 05 Mar 1998				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						
U.S.A. (PCT)	242809/09 18 Aug 1997	WO98/08913 05 Mar 1998				PENDING
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Base Application Data : 9618207.6 30 Aug 1996 GB

Family No. : 50309

Descriptive Title : Refrigerant Compositions for Use as a Replacement for Refrigerant R-12

Official Title : Refrigerant Compositions

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Canada (PCT)	2364303 18 Aug 1997	WO98/08042 05 Mar 1998			18 Aug 2000	PENDING
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
European (PCT)	07038708.4 18 Aug 1997	WO98/08042 05 Mar 1998			18 Aug 2000	PENDING
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
Japan (PCT)	511357108 18 Aug 1997	WO98/08042 05 Mar 1998				PENDING
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
S. Korea (PCT)	00-7004664 18 Aug 1997	WO98/08042 05 Mar 1998				PENDING
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					
U.S.A. (PCT)	242/807/99 18 Aug 1997	WO98/08042 05 Mar 1998	6117356 12 Sept 2000			PENDING GRANTED
	APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC					

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abandoned

Base Application Data : 9618180.5 30 Aug 1998 GB

Family No. : 50310

Descriptive Title : Refrigerant Compositions

Official Title : Refrigerant Compositions

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Europe (PCT)	07026707.6 18 Aug 1997 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/08011 05 Mar 1998			18 Aug 2000	PENDING
Japan (PCT)	511256/08 18 Aug 1997 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/08011 05 Mar 1998				PENDING
U.S.A. (PCT)	242888/09 18 Aug 1997 APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/08011 05 Mar 1998				PENDING

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abandoned



Group Intellectual Property
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Base Application Data : 9818858.6 10 Sep 1996 GB

Family No. : 50313

Descriptive Title : Crystalline Chromia Fluorination Catalyst and Fluorination Process

Official Title : Fluorination Catalyst & Process

Country	Application Details	Publication Details	Grant Details	Expiry/Date	Next Renewal	Status
Canada (PCT)	2263711 04 Sep 1997 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/10862 19 Mar 1998			04 Sep 2000	PENDING
European (PCT)	97939026.7 04 Sep 1997 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0925112 19 Mar 1998			04 Sep 2000	PENDING
Japan (PCT)	513342/98 04 Sep 1997 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/10862 19 Mar 1998				PENDING
U.S.A. (PCT)	254500/09 04 Sep 1997 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/10862 19 Mar 1998				PENDING

Family No. : 50365

Descriptive Title : Closed cell styrenic polymer foams

Base Application Data : 9701291.8 22 Jan 1987 GB

Official Title : Closed Cell Styrenic Polymer Foams

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Australia [PCT]	56711/98 16 Jan 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/32787 30 Jul 1998			16 Jan 2002	PENDING
Canada [PCT]	2278202 16 Jan 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/32787 30 Jul 1998			16 Jan 2001	PENDING
European [PCT]	98900903.0 16 Jan 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	0954546 30 Jul 1998			16 Jan 2001	PENDING
Japan [PCT]	531706/98 16 Jan 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/32787 30 Jul 1998				PENDING
U.S.A. [PCT]	341922/09 16 Jan 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/32787 30 Jul 1998				PENDING
P.C.T.	GB98/00144 16 Jan 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO98/32787 30 Jul 1998				PENDING

Patent Hong Kong 00102762-2 9 May 2000

PATENT

Family No. : 50415

Base Application Data : 9707176.5 09 Apr 1997 GB

Descriptive Title : Recovery of hydrogen fluoride from gaseous stream containing organics
using alkali metal fluoride solution

Official Title : Hydrogen Fluoride Recovery Process

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Argentina	P980101625 08 Apr 1998 APPLICANT :					
Brazil [PCT]	AWAITED 06 Apr 1998 APPLICANT :	WO98/45209 15 Oct 1998				PENDING
Canada [PCT]	2284052 08 Apr 1998 APPLICANT :	WO98/45209 15 Oct 1998			06 Apr 2000	PENDING
China [PCT]	98804029.8 06 Apr 1998 APPLICANT :	WO98/45209 15 Oct 1998			06 Apr 2001	PENDING
European [PCT]	98914992.7 06 Apr 1998 APPLICANT :	0973689 15 Oct 1998			06 Apr 2001	PENDING
India	899/Del/98 06 Apr 1998 APPLICANT :					PENDING
Japan [PCT]	542507/98 06 Apr 1998 APPLICANT :	WO98/45209 15 Oct 1998				PENDING
S.Korea [PCT]	7009238/99 06 Apr 1998 APPLICANT :	WO98/45209 15 Oct 1998				PENDING
Mexico [PCT]	999176 06 Apr 1998 APPLICANT :	WO98/45209 15 Oct 1998				PENDING
Russia [PCT]	99123531 06 Apr 1998 APPLICANT :	WO98/45209 15 Oct 1998			06 Apr 2000	PENDING
Taiwan	87105343 09 Apr 1998 APPLICANT :	09 Oct 1998				PENDING
U.S.A. [PCT]	AWAITED 06 Apr 1998 APPLICANT :	WO98/45209 15 Oct 1998				PENDING

PATENT

REEL: 012721 FRAME: 0596

PATENT PORTFOLIO - KLEA

Base Application Data : 9707176.5 09 Apr 1997 GB

Family No. : 50415

Descriptive Title : Recovery of hydrogen fluoride from gaseous stream containing organics
using alkali metal fluoride solution

Official Title : Hydrogen Fluoride Recovery Process

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
South Africa	98/3005 08 Apr 1998	09 Oct 1998	98/3005 30 Dec 1998	08 Apr 2018	08 Apr 2001	GRANTED

APPLICANT :

Group Intellectual Property
tion

Base Application Data : 9709268.8 08 May 1997 GB

Family No. : 50429

Descriptive Title : Production of 227 in liquid phase using a Lewis acid transition metal
fluoride catalyst.

Official Title : A Process for the Production of a Hydrofluorocarbon and Use of a Catalyst Therefor.

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
France (PCT)	88017472.7 24 Apr 1988	WO88/56327 12 Nov 1988			24 Apr 2001	LAPSED
South Africa	983865 07 May 1998	08 Nov 1998	983865 27 Jan 1999	07 May 2018	07 May 2001	GRANTED

APPLICANT: IMPERIAL CHEMICAL INDUSTRIES PLC

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Base Application Data : 9716136.8

Family No. : 50460

Descriptive Title: Adiabatic preparation HFC227ea

Official Title :
Vapour Phase Separation

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Germany	P089403700 28 Jul 1998 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					PENDING
China (PCT)	Awaiting 02 Jul 1998 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC	WG8906342 11 Feb 1999				PENDING
European (PCT)	08932350-6 02 Jul 1998 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC	WG9906342 11 Feb 1999				PENDING
India	2440/DEL/08 21 Jul 1998 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					PENDING
Japan (PCT)	505407400 02 Jul 1998 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC	WG9906342 11 Feb 1999				PENDING
U.S.A. (PCT)	463275 02 Jul 1998 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC	WG9906342 11 Feb 1999				PENDING
South Africa	9048926 30 Jul 1998 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					PENDING
			08/6826 28 Apr 1999	30 Jul 2018	30 Jul 2001	GRANTED

PATENT

REEL: 012721 FRAME: 0599

Base Application Data : 9724831.4 25 Nov 1997 GB

Family No. : 50513

Descriptive Title : Preparation of 227ea & Recovery of HF using Azeotropes

Official Title : Preparation of Fluorine-Containing Organic Compounds

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Argentina	P980105982 25 Nov 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
India	3511/DeV98 23 Nov 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
Taiwan	87119259 20 Nov 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC					PENDING
P.C.T.	GB98/03408 12 Nov 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	WO99/28907 03 Jun 1999				PENDING
South Africa	9810649 20 Nov 1998 APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC	25 May 1999	98/10649 31 Aug 1999	20 Nov 2018	20 Nov 2001	GRANTED

The PCT application has now been progressed into the national phase - see next page for details.

50513 cont'

Our Ref ICIR P00021667AU App. Details. 10477/99 Grant Details.	12/11/98	ICI Ref 50513 AU
Our Ref ICIR P00021667CA App. Details. Grant Details.	12/11/98	ICI Ref 50513 CA
Our Ref ICIR P00021667CN App. Details. Grant Details.		ICI Ref 50513 CN
Our Ref ICIR P00021667EP App. Details. 98952937.5 Grant Details.	12/11/98	ICI Ref 50513 EPT
Our Ref ICIR P00021667JP App. Details. 522067/2000 Grant Details.	12/11/98	ICI Ref 50513 JP
Our Ref ICIR P00021667US App. Details. Grant Details.	12/11/98	ICI Ref 50513 US

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Family No. : 50548

Descriptive Title : Production of HFC 227 ea from a 2-hydro-2-chloropropane or a 2-chloropropene

Base Application Data : 9802487.0 06 Feb 1998 GB

Official Title : Production of heptafluoropropane

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
Germany	P000100484 06 Feb 1999 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					PENDING
Japan	98101167 26 Jan 1999 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC					PENDING
G.T.	GB99/00176 19 Jan 1999 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC	WO99/40053 12 Aug 1999				PENDING
South Africa	99/0531 25 Jan 1999 APPLICANT: IMPERIAL-CHEMICAL-INDUSTRIES-PLC	06 Aug 1999	99/0531	25 Jan 2010	25 Jan 2002	GRANTED

AU to be abandoned

The PCT application has now been progressed into the national phase - see next page for details

50548 cont'

Our Ref ICIX P00021701EP

ICI Ref 50548

Auto be

~~App. Details. 99902652.9 19/01/99~~

~~Grant Details.~~

abandoned

Our Ref ICIX P00021701JP

ICI Ref 50548

~~App. Details.~~

~~Grant Details.~~

Our Ref ICIX P00021701US

ICI Ref 50548

~~App. Details.~~

~~Grant Details.~~

PATENT

REEL: 012721 FRAME: 0603

Base Application Data : 9824798.4 12 Nov 1998 GB

Family No. : 50687

Descriptive Title : Heat Transfer Device

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
GB	GB9903646 02 Nov 1999					PENDING - To be abandoned
APPLICANT : IMPERIAL CHEMICAL INDUSTRIES PLC						

Base Application Data : 9909136.5 22 Apr 1989 GB

Family No. : 50733

Descriptive Title : Solvent Extraction Process

Official Title : Solvent Extraction Process

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
P.C.T.	GB00/01554 19 Apr 2000					PENDING
APPLICANT :						

Base Application Data : 9911475.3 18 May 1999 GB

Family No. : 50792

Descriptive Title : Production of 1,1,1,2,3,3,3-heptafluoropropane: Liquid phase separation

Official Title : PRODUCTION OF 1,1,1,2,3,3,3-HEPTAFLUOROPROPANE

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom	0011475.3	18 May 1999				PENDING
U.S.A.	134657/80	18 May 1999				PENDING
P.C.T.	5000/51861	15 MAY 2000				PENDING

Family No. : 50813

Base Application Data : 9920949.6 06 Sep 1999 GB

Descriptive Title : Biomass Extraction: Steam Stripping

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom	9920949.6 06 Sep 1999					PENDING
UK	0021141.7 30 Aug 2000					ABANDONED
Netherlands	PI200040952 15 Sept 2000					
P.C.T.	PCT/GB00/03319 31 Aug 2000					
U.S.A	654505 1 Sept 2000					

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Wilton

Base Application Data : 9920945.4 06 Sep 1999 GB

Family No. : 50814

Descriptive Title : Biomass Extraction: Thermosiphon

Official Title :

Status

Next Renewal

Expiry Date

Grant Details

Publication Details

Application Details

Country

PENDING ABANDONED

United Kingdom 9920945.4 06 Sep 1999

APPLICANT :

UK 0020780.3 24 Aug 2000

Malaysia PI200004081 5 Sept 2000

P.C.T. PCT/GB99/03390 4 Sept 2000

Base Application Data : 9920950.4 06 Sep 1999 GB

Family No. : 50815

Descriptive Title : Biomass Extraction: Air Sparging

Official Title :

Patent
Status
PENDING / ABANDONED

Next Renewal
Expiry Date

Grant Details

Publication Details

Application Details

Country

United Kingdom 9920950.4 06 Sep 1999

APPLICANT :

UK 002 1138.3 30 Aug 2000
Malaysia PI 20004076 1 Sept 2000
P.C.T. PCT/GB00/03355 1 Sept 2000
U.S.A. 09/654-816 1 Sept 2000

Family No. : 50817

Base Application Data : 9920951.2 06 Sep 1999 G8

Descriptive Title : Shell and Tube Condenser: Subcooling Lute

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom	9920951.2 06 Sep 1999					PENDING ABANDONED

APPLICANT :

UK 0020779.5 24 Aug 2000
Malaysia PI20004080 5 Sept 2000
P.C.T PCT/GB00/03351 1 Sept 2000

Family No. : 50818

Base Application Data : 9920947.0 06 Sep 1999 GB

Descriptive Title : Biomass Extraction: Solvent recovery

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom	9920947.0 06 Sep 1999					
APPLICANT :						
UK	0020947.6 25 Aug 2000					
Malaysia	PI20004078 5 Sept 2000					
P.C.T	PCT/GB00/03387 4 Sept 2000					
U.S.A	09/654746 4 Sept 2000					
						PENDING ABANDONED

Wilton

Family No. : 50819

Base Application Data : 9920942.1 06 Sep 1999 GB

Descriptive Title : Biomass Extraction: Liquid-liquid

Official Title :

Country	Application Data	Publication Data	Grant Data	Expiry Date	Next Renewal	Status
United Kingdom	9920942.1	08 Sep 1999				PENDING

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Wilton

Family No. : 50820
Base Application Data : 9920948.8 06 Sep 1999 GB

Descriptive Title : Biomass Extraction: Novel Evaporator

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
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United Kingdom 9920948.8 06 Sep 1999

APPLICANT :

UK 0021143.3 30 Aug 2000
 Malaysia PI20004075 5 Sept 2000
 P.C.T PCT/KR00/03389 4 Sept 2000
 U.S.A 09/654517 5 Sept 2000

PENDING ABANDONED

Family No. : 50825

Descriptive Title : Solvent Extraction

Base Application Data : 9920944.7 05 Sep 1999 GB

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom	9920944.7 05 Sep 1999					PENDING
APPLICANT :						

Family No. : 50833
Base Application Data : 9920946.2 06 Sep 1999 GB

Descriptive Title : Biomass Extraction Recycle Pump

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
United Kingdom	9920946.2 06 Sep 1999					PENDING / ABANDONED
UK	0020998.1 29 Aug 2000					
Malaysia	PI20004071 5 Sept 2000					
P.C.T.	PCT/GB00/03341 1 Sept 2000					
U.S.A.	655631 5 Sept 2000					

Family No. : 50838

Descriptive Title : Biomass Extraction

Base Application Data : 9920943.9 06 Sep 1999 GB

Official Title :

Country	Application Details	Publication Details	Grant Details	Expiry Date	Next Renewal	Status
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United Kingdom	9920943.9 06 Sep 1999					
APPLICANT :						

UK 0020776.1 24 Aug 2000

Malaysia PI20004079 5 Sept 2000

P.C.T PCT/GB00/03345 1 Sept 2000

PENDING ABANDONED

New ICI patent applications filed since October 2000

Country	Application No.	Filing Date
UK	0027047.0	6 November 2000
UK	0029208.6	30 November 2000
UK	0029966.9	7 December 2000
UK	0029970.1	7 December 2000
UK	0029965.1	7 December 2000
UK	0029969.3	7 December 2000
UK	0029972.7	7 December 2000
UK	0029971.9	7 December 2000
UK	0029967.7	7 December 2000
US	---	18 December 2000
PCT	PCT/GB00/04850	18 December 2000