

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
INEOS FLUOR HOLDINGS LIMITED	03/31/2010
RECEIVING PARTY DATA	
Name:	MEXICHEM AMANCO HOLDING, S.A. DE C.V.
Street Address:	RIO SAN JAVIER NO. 10 FRACCIONAMIENTO VIVEROS DEL RIO
City:	TLALNEPANTLA
State/Country:	MEXICO
Postal Code:	54060
PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	7084315
Patent Number:	7186869
Patent Number:	7829058
Patent Number:	6891074
CORRESPONDENCE DATA	
Fax Number:	2627831211
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	262-783-1300
Email:	rkmippatent@rkmiplaw.com
Correspondent Name:	Ryan Kromholz & Manion, S.C.
Address Line 1:	PO Box 26618
Address Line 4:	Milwaukee, WISCONSIN 53226
ATTORNEY DOCKET NUMBER:	9404
NAME OF SUBMITTER:	Patrick J. Fleis
Signature:	/Patrick J. Fleis/

OP \$160.00 7084315

Date:

04/12/2013

**Total Attachments: 24**

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# CHEESWRIGHTS

NOTARIES PUBLIC

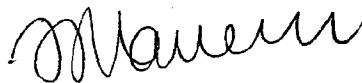
N P Ready  
R M Campbell  
J B Burgess  
E Gardiner  
A J Claudet  
I A Rogers

A Grafton  
L N Hyde-Vaamonde

TO ALL TO WHOM THESE PRESENTS SHALL COME, I  
**ANDREW JONATHAN CLAUDET** of the City of London, England  
**NOTARY PUBLIC** by royal authority duly admitted, sworn and  
holding a faculty to practise throughout England and Wales,  
DO HEREBY CERTIFY the genuineness of the signature  
subscribed to the document hereunto annexed on behalf of  
**INEOS FLUOR HOLDINGS LIMITED** of England, such signature  
having been subscribed in my presence by **ROGER BELL**,  
director of the said company;

AND I DO FURTHER CERTIFY the genuineness of the signature  
subscribed to the document hereunto annexed on behalf of  
**MEXICHEM AMANCO HOLDING, S.A. de C.V.** of Mexico, such  
signature having been subscribed in my presence by **RICARDO  
GUTIERREZ MUNOZ**, CEO of the said company

IN FAITH AND TESTIMONY WHEREOF I the said notary have  
subscribed my name and set and affixed my seal of office in  
London, England this thirty first day of March in the year two  
thousand and ten.



E-mail : [notary@cheeswrights.co.uk](mailto:notary@cheeswrights.co.uk)

[www.cheeswrights.co.uk](http://www.cheeswrights.co.uk)

Bankside House, 107 Leadenhall Street  
London EC3A 4AF

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DX 627 / London City EC3

Canary Wharf Office  
Tel : 020 7712 1565

PATENT



REEL: 030204 FRAME: 0211

**APOSTILLE**

(Hague Convention of 5 October 1961 / Convention de La Haye du 5 octobre 1961)

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND**

1. Country: United Kingdom of Great Britain and Northern Ireland  
Pays: Royaume-Uni de Grande-Bretagne et d'Irlande du Nord  
This public document / Le présent acte public
2. Has been signed by **Andrew Jonathan Claudet**  
a été signé par
3. Acting in the capacity of **Notary Public**  
agissant en qualité de
4. Bears the seal/stamp of **The Said Notary Public**  
est revêtu du sceau/timbre de
5. at London/à Londres
6. Certified/Attesté  
the/le **31 March 2010**
7. by Her Majesty's Principal Secretary of State for Foreign and Commonwealth Affairs /  
par le Secrétaire d'Etat Principal de Sa Majesté aux Affaires Etrangères et du Commonwealth.
8. Number/sous No **I459004**
9. Stamp:  
timbre:
10. Signature: **J Crook**

*JMB*



For the Secretary of State / Pour le Secrétaire d'Etat

If this document is to be used in a country which is not party to the Hague Convention of 5th October 1961, it should be presented to the consular section of the mission representing that country.

An apostille or legalisation certificate only confirms that the signature, seal or stamp on the document is genuine. It does not mean that the content of the document is correct or that the Foreign & Commonwealth Office approves of the content.

**PATEN**

**REEL: 030204 FRAME: 0212**

Dated March 31, 2010

**INEOS Fluor Holdings Limited**

and

**Mexichem Amanco Holding, S.A. de C.V.**

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PATENT ASSIGNMENT

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**THIS ASSIGNMENT** is made the 31st day of March, 2010.

**BETWEEN:**

- (1) **INEOS Fluor Holdings Limited**, a company incorporated and existing under the laws of England and Wales with its principal place of business at The Heath, Runcorn, Cheshire, WA7 4QF, United Kingdom (the "**Assignor**"); and
- (2) **Mexichem Amanco Holding, S.A. de C.V.**, a company incorporated and existing under the laws of Mexico with its principal place of business at Río San Javier No. 10, Viveros del Río, Tlalnepantla, C.P. 54060, Mexico (the "**Assignee**").

**WHEREAS:**

- (A) The Assignor is the owner of all right, title and interest in and to the patents and patent applications set forth in Schedule A hereto (the "**Patents**").
- (B) The Assignor and the Assignee (among others) are parties to a business purchase agreement dated January 29, 2010 (the "**Business Purchase Agreement**") pursuant to which the Assignor has agreed to sell certain assets, including the Patents, to the Assignee.
- (C) The Assignor has agreed to assign the Patents to the Assignee.
- (D) Capitalized terms used in this Assignment and not otherwise specifically defined herein shall have the meanings given to such terms in the Business Purchase Agreement. The rules of interpretation set forth in Section 1.2 of the Business Purchase Agreement shall apply, *mutatis mutandis*, to this Assignment.

**NOW IT IS HEREBY AGREED AS FOLLOWS:**

**1. ASSIGNMENT**

In consideration of the respective covenants, agreements, representations, warranties and indemnities contained in the Business Purchase Agreement, and for other good and valuable consideration (the receipt and sufficiency of which are hereby acknowledged by each party hereto), and pursuant to the terms of the Business Purchase Agreement, the Assignor hereby assigns to the Assignee all of its right, title and interest in and to the Patents and to any patents that may be issued or granted thereon, and to any continuation, division, continuation-in-part, renewal and reissue thereof, for the full term or terms for which the same may be granted, together with all rights under the Patents, including the right to enforce the Patents and recover damages and obtain all other remedies in respect of past, present and future infringements and misappropriations of the Patents.

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Assignor hereby authorizes the division of the information provided in Schedule A by the Assignee in order to facilitate the conveyance, transfer and assignment, consolidation, vesting and recording in Assignee, full ownership of the Patents.

Notwithstanding any other provision herein, this Assignment shall not assign or be deemed to assign any Patent that is an Excluded Asset.

**2. NO MODIFICATIONS**

This Assignment shall not enlarge, restrict or otherwise modify the terms of the Business Purchase Agreement or constitute a waiver or release by any party to the Business Purchase Agreement of any liabilities or obligations imposed thereby.

**3. FURTHER ASSURANCE**

The Assignor shall, at the reasonable request of the Assignee, execute and deliver such further instruments of conveyance, assignment, assumption and transfer and take such further action that may be necessary or appropriate to secure the vesting in the Assignee of all rights assigned to the Assignee hereunder, provided that the Assignee shall be responsible for preparing and filing any documents required to record the change of proprietor in respect of the Patents (and the Assignor shall provide to the Assignee any information reasonably requested in connection therewith).

**4. COUNTERPARTS**

This Assignment may be executed in any number of counterparts, but shall not be effective until each party has executed at least one counterpart. Each counterpart shall constitute an original of this Assignment, but the counterparts shall together constitute but one and the same instrument.

**5. GOVERNING LAW**

5.1 This Assignment shall be governed by and construed and enforced in accordance with the Legal Requirements of the state of New York applicable to agreements executed and to be performed solely within the state of New York, without regard to the conflicts of law principles of such state.

5.2 Any dispute, controversy or claim arising out of, relating to or in connection with this Assignment, including any question regarding its existence, validity or termination, or regarding a breach of this Assignment, shall be resolved pursuant to Sections 13.6 of the Business Purchase Agreement *mutatis mutandis*.

[Signature Page Follows]

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IN WITNESS WHEREOF this Assignment has been executed by or on behalf of the parties on the date first above written.

INEOS FLUOR HOLDINGS LIMITED

By 

Name:

Title:

ROBERT BELL  
DIRECTOR

MEXICHEM AMANCO HOLDING, S.A. DE C.V.

By 

Name:

Title:

R. GUTIERREZ  
CEO

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**SCHEDULE A****Patents****Owned Patents**

<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
US	6403524	Granted	134a	Crystalline Chromia catalyst, applicable <i>inter alia</i> to 134a manufacture and other fluorination reactions
EP/BE	650469	Granted	134a	Removal of 2-chloro-1,1,1-trichloroethylene with zeolites
EP/DE	69313453.4	Granted	134a	
EP/ES	93914889.6	Granted	134a	
EP/FR	650469	Granted	134a	
EP/GB	650469	Granted	134a	
EP/IT	650469	Granted	134a	
EP/NL	650469	Granted	134a	
JP	3353894	Granted	134a	
US	6107529	Granted	134a	
JP	3413198	Granted	134a	Catalyst treatment process
US	5407877	Granted	134a	
CN	95119833.5	Granted	134a	Zinc/Chromia catalyst used to manufacture 134a
EP/BE	502605	Granted	134a	

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<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
EP/DE	69212183.8	Granted	134a	
EP/ES	92300563.1	Granted	134a	
EP/FR	502605	Granted	134a	
EP/GB	502605	Granted	134a	
EP/IT	502605	Granted	134a	
EP/NL	502605	Granted	134a	
EP1/BE	666105	Granted	134a	
EP1/DE	666105	Granted	134a	
EP1/ES	95106618.2	Granted	134a	
EP1/FR	666105	Granted	134a	
EP1/GB	666105	Granted	134a	
EP1/IT	666105	Granted	134a	
EP1/NL	666105	Granted	134a	
EP 2	3076853.5	Granted	134a	
IN	185352	Granted	134a	
IN2	221474	Granted	134a	
IN3		Ungranted	134a	
KR	21753	Granted	134a	
US	5281568	Granted	134a	
US2	5449656	Granted	134a	
US3	5623092	Granted	134a	
CA	2039269 *	Granted	134a	134a manufacturing process with reactors in 'reverse series' configuration
CN	91105555.X	Granted	134a	
EP/BE	449617	Granted	134a	
EP/DE	69115537.2	Granted	134a	

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Territory	Patent or Application Number	Status	Business Area	Title/Subject Mater
EP/ES	91302703.3	Granted	134a	
EP/FR	449617	Granted	134a	
EP/GB	449617	Granted	134a	
EP/IT	449617	Granted	134a	
EP/NL	449617	Granted	134a	
IN	180914	Granted	134a	
JP	2843694	Granted	134a	
KR	171414	Granted	134a	
US	5243107	Granted	134a	
US1	5382722	Granted	134a	
US2	5559276	Granted	134a	
US 3	5744658	Granted	134a	
CN	91105318.2	Granted	134a	Separation of 2-chloro-1,1,1-trifluoroethylene (1122)
EP/BE	467531	Granted	134a	
EP/DE	69104426	Granted	134a	
EP/ES	91305504.2	Granted	134a	
EP/FR	467531	Granted	134a	
EP/GB	467531	Granted	134a	
EP/IT	467531	Granted	134a	
EP/NL	467531	Granted	134a	
IN	184829	Granted	134a	
JP	2680945	Granted	134a	
KR	220439	Granted	134a	
US	5211020	Granted	134a	
CN	93119034.7	Granted	134a	Catalyst recycle

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<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
EP/BE	660750	Granted	134a	
EP/DE	69312943.3	Granted	134a	
EP/ES	9491025.1	Granted	134a	
EP/FR	660750	Granted	134a	
EP/GB	660750	Granted	134a	
EP/IT	660750	Granted	134a	
EP/NL	660750	Granted	134a	
IN	188185	Granted	134a	
KR	297017	Granted	134a	
US	5741748	Granted	134a	
JP	3469896	Granted	134a	
CN	91109551.9	Granted	134a	Catalyst regeneration
EP/BE	475693	Granted	134a	
EP/DE	69115398.1	Granted	134a	
EP/ES	91308191.5	Granted	134a	
EP/FR	475693	Granted	134a	
EP/GB	475693	Granted	134a	
EP/IT	475693	Granted	134a	
EP/NL	475693	Granted	134a	
IN	475693	Granted	134a	
JP	2831175	Granted	134a	
KR	196486	Granted	134a	
US	5227350	Granted	134a	
CN	92109005.6	Granted	134a	Purification of 134a
EP/BE	526002	Granted	134a	
EP/DE	69208556.4	Granted	134a	

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<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
EP/ES	92306123.8	Granted	134a	
EP/FR	526002	Granted	134a	
EP/GB	526002	Granted	134a	
EP/IT	526002	Granted	134a	
EP/NL	526002	Granted	134a	
IN	185209	Granted	134a	
JP	3159798	Granted	134a	
KR	228288	Granted	134a	
US	5288930	Granted	134a	
CN	93103175.3	Granted	134a	Fluorination catalyst and process
CN 2	95103964.4	Granted	134a	
KR	255872	Granted	134a	
CN	9110297.1	Granted	134a	134a manufacturing process with reactors to 'forward series' configuration
IN	183771	Granted	134a	
JP	2843693	Granted	134a	
KR	156256	Granted	134a	
US	5243105	Granted	134a	
US2	5395996	Granted	134a	
EP/BE	1278714	Granted	134a	Removal of alkene impurities
EP/DE	1278714	Granted	134a	
EP/ES	1925703.9	Granted	134a	
EP/FR	1271814	Granted	134a	

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[[NYCORP:3193242v6:4322w:03/27/10--05:05 p]]

<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
EP/GB	1271814	Granted	134a	
EP/IT	1271814	Granted	134a	
EP/NL	1271814	Granted	134a	
JP	4121745	Granted	134a	
US	7084315	Granted	134a	
EP/BE	1373173	Granted	134a	Unsaturates removal with solid oxidants
EP/DE	602 31 294.9-08	Granted	134a	
EP/ES	1373173	Granted	134a	
EP/FR	1373173	Granted	134a	
EP/GB	1373173	Granted	134a	
EP/IT	21767BE/2009	Granted	134a	
EP/NL	1373173	Granted	134a	
US	7186869	Granted	134a	
AU	2004213223	Ungranted	134a	Deodorisation of 134a
CA	2514236	Ungranted	134a	
CN	200480004821.7	Granted	134a	
EP/BE	1594827	Granted	134a	
EP/DE	1594827	Granted	134a	
EP/ES	4712622.2	Granted	134a	
EP/FR	1594827	Granted	134a	
EP/GB	1594827	Granted	134a	
EP/IT	1594827	Granted	134a	
EP/NL	1594827	Granted	134a	
IN	3265/DELNP/2005	Ungranted	134a	
JP	2006/502297	Ungranted	134a	

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<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
KR	2005/7015176	Ungranted	134a	
US	10/546336	Ungranted	134a	
GB	GB0816206.7	Application	134a	Improved Zn/Cr Catalyst No. 1
PCT	PCT/GB2009/002126	Application	134a	
GB	GB0816208.3	Application	134a	Improved Zn/Cr Catalyst No. 3
PCT	PCT/GB2009/002124	Application	134a	
AU	698733	Granted	Blends	Blends/HC
CA	2195411	Granted	Blends	
EP/BE	772659	Granted	Blends	
EP/DE	69522811	Granted	Blends	
EP/ES	95925949	Granted	Blends	
EP/FR	772659	Granted	Blends	
EP/GB	772659	Granted	Blends	
EP/IT	772659	Granted	Blends	
EP/NL	772659	Granted	Blends	
JP	3916250	Granted	Blends	
KR	349736	Granted	Blends	
BR	PI9611201.8	Granted	Blends	134a with pentane blends
CN	96199139.9	Granted	Blends	
US	6214252	Granted	Blends	

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<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
EP/BE	922077	Granted	Blends	R11 replacement
EP/DE	69709757.9	Granted	Blends	
EP/FR	922077	Granted	Blends	
EP/GB	922077	Granted	Blends	
EP/IT	922077	Granted	Blends	
EP/NL	922077	Granted	Blends	
US	6495060	Granted	Blends	
US	6117356	Granted	Blends	R11 replacement
EP/BE	922075	Granted	Blends	R152a blend
EP/DE	69708123	Granted	Blends	
EP/ES	97936797.6	Granted	Blends	
EP/FR	922075	Granted	Blends	
EP/GB	922075	Granted	Blends	
EP/IT	922075	Granted	Blends	
EP/NL	922075	Granted	Blends	
EP/BE	644867	Granted	Blends	Co-production of HFCs (32/134a)
EP/FR	644867	Granted	Blends	
EP/GB	644867	Granted	Blends	
EP/IT	644867	Granted	Blends	
EP/NL	644867	Granted	Blends	
EP/DE	69307884.7	Granted	Blends	
EP/ES	93913312	Granted	Blends	
JP	3328282	Granted	Blends	
KR	286793	Granted	Blends	

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<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
US3	5902913	Granted	Blends	
EP/BE	754170	Granted	Blends	Process patent for manufacture of 125
EP/DE	69520356.8	Granted	Blends	
EP/ES	95913906.4	Granted	Blends	
EP/FR	754170	Granted	Blends	
EP/GB	754170	Granted	Blends	
EP/IT	754170	Granted	Blends	
EP/NL	754170	Granted	Blends	
JP	3850435	Granted	Blends	
US	5763707	Granted	Blends	
EP/BE	754171	Granted	Blends	Removal of 115 from 125
EP/DE	69520357.6	Granted	Blends	
EP/ES	95912358.9	Granted	Blends	
EP/FR	754171	Granted	Blends	
EP/GB	754171	Granted	Blends	
EP/IT	754171	Granted	Blends	
EP/NL	754171	Granted	Blends	
JP	3856820	Granted	Blends	
US	5928479	Granted	Blends	
CN	95195685.X	Granted	Blends	125/134a production
EP/BE	777638	Granted	Blends	
EP/DE	69514369.7	Granted	Blends	
EP/ES	95927866.4	Granted	Blends	
EP/FR	777638	Granted	Blends	

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<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
EP/GB	777638	Granted	Blends	
EP/IT	777638	Granted	Blends	
EP/NL	777638	Granted	Blends	
JP	3843125	Granted	Blends	
US	5962753	Granted	Blends	
BR	PI9201403.8	Granted	Blends	R407/ester/lubes
EP/BE	509673	Granted	Blends	
EP/DE	6928020.6	Granted	Blends	
EP/ES	92302837.7	Granted	Blends	
EP/FR	509673	Granted	Blends	
EP/GB	509673	Granted	Blends	
EP/IT	509673	Granted	Blends	
EP/NL	509673	Granted	Blends	
KR	227877	Granted	Blends	
CA	2179162	Granted	Blends	114 separation from 125
US	5898088	Granted	Blends	
US1	6127586	Granted	Blends	
JP	3853397	Granted	Blends	
CN	01814859.X	Ungranted	Blends	'Tiger' 125 Process
EP/BE	1313687	Granted	Blends	
EP/DE	1313687 ^	Granted	Blends	
EP/ES	1313687	Granted	Blends	
EP/FR	1313687	Granted	Blends	
EP/GB	1313687	Granted	Blends	

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<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
EP/IT	1313687	Granted	Blends	
EP/NL	1313687	Granted	Blends	
IN	221335	Granted	Blends	
JP	523427/2002	Ungranted	Blends	
KR	798009	Granted	Blends	
US	6891074	Granted	Blends	
US	6340781	Granted	Blends	Purification of 125
CN	200680016007.6	Ungranted	Blends	Catalyst for 'Tiger' 125 process
EP	6726692.4	Ungranted	Blends	
IN	7983/DELNP/2007	Ungranted	Blends	
JP	2008504852	Ungranted	Blends	
KR	2007-7025902	Ungranted	Blends	
US	11/887,972	Ungranted	Blends	
ZA	2007/08460	Ungranted	Blends	
GB	05071394	Ungranted	Blends	
CN	200680050812.0	Ungranted	Blends	Two stage production of 125
EP	06320560.8	Ungranted	Blends	
IN	5301/DELNP/2068	Ungranted	Blends	
KR	2008-7017369	Ungranted	Blends	
JP	2008-545102	Ungranted	Blends	
US	Not yet available	Ungranted	Blends	
GB	0525700.1	Ungranted	Blends	

[[3193242]]

[[NYCORP:3193242v6:4322w:03/27/10--05:05 p]]

Territory	Patent or Application Number	Status	Business Area	Title/Subject Mater
CN	200680447254.2	Ungranted	Blends	Temperature control for 123 prodn.
EP	0820572.3	Ungranted	Blends	
IN	5212/DELNP/2008	Ungranted	Blends	
KR	2008-7017361	Ungranted	Blends	
JP	2008-545112	Ungranted	Blends	
US	12/086566	Ungranted	Blends	
GB	0525702.7	Ungranted	Blends	
CN	200680050586.6	Ungranted	Blends	Phase separation in prodn. of 123
EP	06820564.0	Ungranted	Blends	
IN	5287/DELNP/2008	Ungranted	Blends	
KR	2008-7017362	Ungranted	Blends	
JP	2008-545104	Ungranted	Blends	
US	12/086,565	Ungranted	Blends	
GB	0525701.9	Ungranted	Blends	
CN	200680050717.0	Ungranted	Blends	123 Production from PER
EP	06820565.7	Ungranted	Blends	
IN	5275/DELNP/2008	Ungranted	Blends	
KR	2008-7017363	Ungranted	Blends	
JP	2008-545105	Ungranted	Blends	
US	12/086565	Ungranted	Blends	
GB	0525699.5	Ungranted	Blends	

[[3193242]]

[[NYCORP:3193242v6:4322w:03/27/10-05:05 p]]

Territory	Patent or Application Number	Status	Business Area	Title/Subject Mater
AU	2004221593	Granted	Medical	Stereoselective enzyme process
CA	2518714	Ungranted	Medical	
EP/BE	1604030	Granted	Medical	
EP/CH	1604030	Granted	Medical	
EP/DE	1604030	Granted	Medical	
EP/ES	1604030	Granted	Medical	
EP/FR	1604030	Granted	Medical	
EP/GB	1604030	Granted	Medical	
EP/IE	1604030	Granted	Medical	
EP/IT	1604030	Granted	Medical	
EP/NL	1604030	Granted	Medical	
GB	30267.6	Ungranted	Medical	
IN	4142/DELNP/2005	Granted	Medical	
US	10/549357	Ungranted	Medical	Dynamic Kinetic Resolution
JP	2006/514833	Ungranted	Medical	
AU	2007246952	Ungranted	Medical	
CA	2644268	Ungranted	Medical	
EP	2010666	Ungranted	Medical	
GB	607911.5	Ungranted	Medical	
IN	7169/DELNP/2008	Ungranted	Medical	
JP	2009-505954	Ungranted	Medical	
US	12/287,024	Ungranted	Medical	
NEW REFRIGERANT DEVELOPMENT APPLICATIONS				Dehydrohalogenation
PCT	PCT/GB2007/004	Application	NRD	

[[3193242]]

[[NYCORP:3193242v6:4322w:03/27/10--05:05 p]]

Territory	Patent or Application Number	Status	Business Area	Title/Subject Mater
	840			
AU	2007336066	Ungranted	NRD	
BR	Not yet available	Ungranted	NRD	
CA	267385	Ungranted	NRD	
CN	200780047181.1	Ungranted	NRD	
EP	07848577.8	Ungranted	NRD	
IN	Not yet available	Ungranted	NRD	
JP	Not yet available	Ungranted	NRD	
KR	10-2009-7012708	Ungranted	NRD	
MY	PI20092492	Ungranted	NRD	
MX	Not yet available	Ungranted	NRD	
US	Not yet available	Ungranted	NRD	
ZA	Not yet available	Ungranted	NRD	
GB	GB2439209	Granted	NRD	
PCT	PCT/GB2007/003749	Application	NRD	Zn/Cr catalysed dehydrofluorination
BR	Not yet available	Ungranted	NRD	
CN	200780036799.8	Ungranted	NRD	
EP	07624005.8	Ungranted	NRD	
IN	Not yet available	Ungranted	NRD	
JP	2009-530937	Ungranted	NRD	
KR	10-2009-7006824	Ungranted	NRD	
MX	Not yet available	Ungranted	NRD	
US	Not yet available	Ungranted	NRD	
PCT	PCT/GB2007/002223	Application	NRD	Desiccants for fluids Derived from 38286

[[3193242]]

[[NYCORP:3193242v6:4322w:03/27/10-05:05 p]]

Territory	Patent or Application Number	Status	Business Area	Title/Subject Mater
BR	PI 0713423.1	Ungranted	NRD	
CN	200780022317.3	Ungranted	NRD	
EP	07733228.6	Ungranted	NRD	
IN	10300/DELNP/2008	Ungranted	NRD	
JP	2009-514902	Ungranted	NRD	
KR	10-2009-7000724	Ungranted	NRD	
MX	2008/15858	Ungranted	NRD	
US	Not yet available	Ungranted	NRD	
ZA	Not yet available	Ungranted	NRD	
PCT	PCT/GB2008/001202	Application	NRD	Isomeriation of 1225ye
AU	Not yet available	Ungranted	NRD	
BR	Not yet available	Ungranted	NRD	
CA	Not yet available	Ungranted	NRD	
CN	Not yet available	Ungranted	NRD	
EP	Not yet available	Ungranted	NRD	
IN	Not yet available	Ungranted	NRD	
JP	Not yet available	Ungranted	NRD	
KR	Not yet available	Ungranted	NRD	
MY	Not yet available	Ungranted	NRD	
MX	Not yet available	Ungranted	NRD	
US	Not yet available	Ungranted	NRD	
ZA	Not yet available	Ungranted	NRD	
Other NRD Substantive or National filings				
39794GB/42488PC	PCT/GB2009/000206		NRD	Fluoropropene hydrogenation

[[3193242]]

[[NYCORP:3193242v6:4322w:03/27/10--05:05 p]]

Territory	Patent or Application Number	Status	Business Area	Title/Subject Mater
39817GB/39817PC	PCT/GB2009/000949		NRD	1243zf to 243db
40085GB/40085PC	PCT/GB2009/000950		NRD	243db to 1234yf (RouteA)
40672GB/40672PC	PCT/GB2009/000948		NRD	243db to 1234yf (RouteB)
40853GB/40853PC	PCT/GB2009/001263		NRD	HFP to 1234yf
41473GB	0814060		NRD	AC4 Heat transfer compositions
41516GB	0814051.9		NRD	AC8 Heat transfer compositions
41692GB	0817025		NRD	Fluorinated propene preparation
42233GB	0821924.8		NRD	1243zf compositions to replace 22/410A/407A-B-C/507/404A
42233PC	PCT/GB2009/002803		NRD	As 42233GB
Other NRD applications				
38988GB/42031PC	PCT/GB2008/003775		NRD	216 to 217ba
39068GB/41907PC	PCT/GB2008/003466		NRD	1243zf based compositions - No. 1 (also derived from 41473)
39068GB/41608PC	PCT/GB2008/003457		NRD	1243zf based compositions - No. 2 (also derived from 41473/41516)

[[3193242]]

[[NYCORP:3193242v6:4322w:03/27/10--05:05 p]]



Territory	Patent or Application Number	Status	Business Area	Title/Subject Mater
39068GB/419 04GB	0818721.3		NRD	1243zf based compositions - No. 1 GB early (also derived from 41473)
39068GB/419 04US	Not yet available		NRD	1243zf based compositions - No. 1 US early (also derived from 41473)
New NRD Applications during 2009				
42180GB	0902144.5		NRD	Supplements 42333; 1243zf compositions to replace 134a/152a/1234yf
42180PC	PCT/GB2009/002805		NRD	As 42180GB
42555GB	0903078.4		NRD	Process
43016GB	0906549.1		NRD	Supplements 42180; more specific ternary/quaternary blends
43016PC	PCT/GB2009/002809		NRD	As 43016GB
43031GB:	0906191.2		NRD	Preparation of 1243zf from 253fc/250fb
43067GB	0906547.5		NRD	Compositions containing 1234ze
43755GB	0915004.6		NRD	Reduced flammability of 1234yf blends
44066GB	0918069.6		NRD	Polishing of fluorinated propenes
P45710GB	1002617.7	Application	NRD	Heat Transfer Composition
P45047GB	1002615.1	Application	NRD	Heat Transfer Composition
P44911GB	1002619.3	Application	NRD	Heat Transfer Composition

[[3193242]]

[[NYCORP:3193242v6:4322w:03/27/10--05:05 p]]

<b>Territory</b>	<b>Patent or Application Number</b>	<b>Status</b>	<b>Business Area</b>	<b>Title/Subject Mater</b>
P45171GB	1002622.7	Application	NRD	Heat Transfer Composition
P45164GB	1002625.0	Application	NRD	Heat Transfer Composition
P45046GB	1002618.5	Application	NRD	Heat Transfer Composition
P44913GB	1002616.9	Application	NRD	Heat Transfer Composition

[[3193242]]

[[NYCORP:3193242v6;4322w:03/27/10--05:05 p]]