U.S. Department of Commerce United States Patent and Trademark Office



03-23-2010

IEET

Our Ref.: LCM-

103592	2486
To the Director of the U.S. Patent and Trademark Office: Please re	ecord the attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
1 Ineos Vinyls UK Limited 5	1) NI Tours The boundaries 2017 - 1:01 tours 1
2 6	1) Name: Ineos Technologies (Vinyls) Limited
2 6 3 7	Street Address: Hawkslease, Chapel Lane, Lyndhurst
8	City: Hampshire
	State/Country: United Kingdom Zip: SO43 7FG
Additional name/s of conveying party/ies attached?	
3. Nature of conveyance:	2) Name
☐ Merger	Street Address:
Security Assignment	City:
Other	State: Zip:
Execution Date: December 4, 2009	Additional name/s & address/es attached? Yes No
	, , , , , , , , , , , , , , , , , , ,
	assignment is being filed together with a new application.
A. Patent Application No(s).	B. Patent No(s).
(1) 09/746,219	(1)
$\binom{(2)}{(2)}$	(2)
(3) Additional numbers at	(3) ached □ Yes ☒ No
	6. Total number of applications & patents involved:
5. Name and address of party to whom correspondence	o. Total number of applications & patents involved.
concerning document should be mailed:	7. Total fee (37 CFR 3.41) \$ 40.00
Name: Leonard C. Mitchard	Enclosed
Name: Leonard C. Mitchard	Authorized to be charged to deposit account #14-1140
Internal Address:	
ALIEVITIGI I LUGI VIII.	8. The Commissioner is hereby authorized to charge any
Street Address: Nixon & Vanderhye P.C.	<u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which
901 North Glebe Road	should have been filed herewith (or with any paper thereafter
11th Floor	filed in this application by this firm) to our Account No.
City: Arlington State: VA Zip: 22203	14-1140.
3	
DO NOT USI	E THIS SPACE
9. Statements and signature.	
To the best of my knowledge and belief, the foregoing informa	tion is true and correct and any attached copy is a true copy
of the original document.	
	/
Leonard C. Mitchard	March 18, 2010
Name of Person Signing	pature Date
Reg. No. 29,009	
Total number of pages including origi	nal cover sheet, attachments, and document: [12]

Documents to be recorded (including cover sheet) should be faxed to (5/1) 2/3-0140, or mance to.

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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40.00 OP

INEOS VINYLS UK LIMITED

and

INEOS TECHNOLOGIES (VINYLS) LIMITED

DEED OF ASSIGNMENT OF PATENTS

Slaughter and May, One Bunhill Row, London EC1Y 8YY

Ref: CAYC/DJOB

CE093310020

BETWEEN:

- (1) INEOS VINYLS UK LIMITED whose registered office is at Runcorn Site HQ, South Parade, PO Box 9, Runcorn, Cheshire, WA7 4JE (registered in England No. 00547640) (the "Assignor"); and
- (2) INEOS TECHNOLOGIES (VINYLS) LIMITED whose registered office is at Hawkslease, Chapel Lane, Lyndhurst, Hampshire SO43 7FG (registered in England No. 07085219) (the "Assignee").

WHEREAS:

- (A) The Assignor is the owner of the patents and the patent applications, details of which are set out in the Schedule hereto (the "Patents").
- (B) The Assignor has agreed to assign the Patents to the Assignee.

NOW THIS DEED WITNESSETH AS FOLLOWS:

1. ASSIGNMENT

In consideration of the sum of ten euros (10 euros), receipt of which is acknowledged, the Assignor hereby assigns to the Assignee all its right, title and interest in and to the Patents together with all rights, privileges and advantages thereto including, without limitation, the right to take proceedings and recover damages and obtain all other remedies in respect of past infringements thereof to hold unto the Assignee absolutely for the full term of the Patents.

2. FURTHER ASSURANCE

The Assignor shall, at the request and cost of the Assignee, execute any further documents that may be necessary to secure the vesting in the Assignee of all rights assigned to the Assignee hereunder.

3. GOVERNING LAW

This Deed of Assignment shall be governed by and construed in accordance with English law. Any matter, claim or dispute out of or in connection with this Deed of Assignment, whether contractual or non-contractual, is to be governed by and determined in accordance with English law. The parties hereby submit to the exclusive jurisdiction of the English Courts in relation to all matters arising out of this Deed of Assignment.

IN WITNESS WHEREOF this Deed of Assignment has been executed and delivered as a deed on the date which first appears on page 1 above.

SCHEDULE

<u>Patents</u>

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ENFOLISHED.	Constant title	ಪ್ರತಿಕ್ಷಿತ್ತಿದ್ದಾರೆ.	. ڪاهن اين آڏاڻھ .		A ALAMARA	9287E	- ASV .	
EVC TECHNOLOGY AG	Brunei Darussalam	Granted	9421136.4	20-Oct-94	30/98	21-May-99	20-Oct-14	Vinyl chloride production process
INEOS VINYLS UK LIMITED	China (Peoples Republic)	Granted	95196727.4	27-Sep-95	ZL95196727.4	14-Jan-04	27-Sep-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	Germany	Granted	95932878.2	27-Sep-95	69518163.6	05-Apr-00	27-Sep-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	France	Granted	95932878,2	27-Sep-95	0787117	0 <u>5-Apr-0</u> 0	27-Sep-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	United Kingdom	Granted	95932878.2	27-Sep-95	0787117	05-Apr-00	27-Sep-15	Vinyl chloride production process
EVC TECHNOLOGY AG	United Kingdom	Granted	9421136.4	20-Oct-94	2294262	09-Jun-98	20-Oct-14	Vinyl chloride production process
EVC TECHNOLOGY AG	India	Granted	1819/DEL/95	04-Oct-95	192197	13-Jun-05	04-Oct-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	Italy	Granted	95932878.2	27-Sep-95	0787117	05-Apr-00	27-Sep-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	Japan	Granted	513753/96	27-Sep-95	3014456	17-Dec-99	27-Sep-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	Korea, Republic of	Granted	702578/97	27-Sep-95	274270	08-Sep-00	27-Sep-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	Malaysia	Granted	PI97001653	16-Apr-97	MY-115079-A	31-Mar-03	31-Mar-18	Vinyl chloride production process
EVC TECHNOLOGY AG	Qatar	Pending		26-Sep-95				Vinyl chloride production process
EVC TECHNOLOGY AG	Saudi Arabia	Granted	95160426	29-Nov-95	488	23-Nov-05	29-Nov-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	Thailand	Granted	28193	29-Sep-95	11715	17-Jan-02	29-Sep-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	Talwan	Granted	84110765	13-Oct-95	NI-086563	11-Sep-97	13-Oct-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	United States of America	Granted	08/817415	27-Sep-95	6180841	30-Jan-01	27-Sep-15	Vinyl chloride production process
EVC TECHNOLOGY AG	Venezuela	Pending	1790/95	10-Oct-95			10-Oct-15	Vinyl chloride production process
INEOS VINYLS UK LIMITED	Belgium	Granted	96902403.5		0810985	08-Dec-99	01-Feb-16	Oxychlorination of Ethylene in Two Stage Fixed-Bed
INEOS VINYLS	China (Peoples	Granted	90902403.5	01-Feb-96	0010382	00-Dec-88	U1-rep-16	Reactor Oxychlorination of Ethylene I: Two Stage Fixed-Bed
UKLIMITED	Republic)	Granted	96192064.5	01-Feb-96	ZL96192064.5	17-Feb-01	01-Feb-16	Reactor Oxychlorination of Ethylene i
INEOS VINYLS UK LIMITED	Japan	Granted	525532/96	01-Feb-96	3058696	21-Apr-00	01-Feb-16	Two Stage Fixed-Bed Reactor
INEOS VINYLS UK LIMITED	Korea, Republic of	Granted	705081/97	01-Feb-96	241085	01-Nov-99	01-Feb-16	Oxychlorination of Ethylene in Two Stage Fixed-Bed

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	STANDARD BOLD			i okkaderoo		27.A.J.E.	33.268.034	Reactor
INEOS VINYLS								Oxychlorination of Ethylene In Two Stage Fixed-Bed
UKLIMITED	Talwan	Granted	85101631	09-Feb-96	NI-105151	11-Jul-99	09-Feb-16	Reactor Oxychlorination of Ethylene in
INEOS VINYLS UK LIMITED	United States of America	Granted	08/894288	01-Feb-96	5841009	24-Nov-98	01-Feb-16	Two Stage Fixed-Bed Reactor
INEOS VINYLS								Catalyst, Process for its Preparation, and its use in the Synthesis of 1,2-
UK LIMITED	Belgium	Granted	99900096.1	06-Jan-99	1045731	05-Jun-02	06-Jan-19	Dichlorcethane Catalyst,
INEOS VINYLS UK LIMITED	Czech Republic	Granted	PV2000-2511	06-Jan-99	299892	12-Nov-08	06-Jan-19	Process for its Preparation, and its use in the Synthesis of 1,2- Dichloroethane
								Catalyst, Process for its Preparation, and its use in the Synthesis
INEOS VINYLS UK LIMITED	Germany	Granted	99900096.1	06-Jan-99	69901676.2	05-Jun-02	06-Jan-19	of 1,2- Dichloroethane Catalyst
INEOS VINYLS								Process for its Preparation, and its use in the Synthesis of 1,2-
UK LIMITED	France	Granted	99900096.1	06-Jan-99	1045731	05-Jun-02	06-Jan-19	Dichloroethane Catalyst
INEOS VINYLS UK LIMITED	Ja pa n	Pending	2000 507052	00 1 00		-		Process for its Preparation, and its use in the Synthesis of 1,2-
GK LIMITED	Јарап	Pending	2000-527353	06-Jan-99				Dichloroethane Catalyst, Process for its
INEOS VINYLS UK LIMITED	Norway	Granted	20003494	06-Jan-99	322404	02-Oct-06	06-Jan-19	Preparation, and its use in the Synthesis of 1,2- Dichloroethane
INEOS VINYLS								Catalyst, Process for its Preparation, and its use in the Synthesis of 1,2-
UK LIMITED	Ukraine	Granted	2000084711	06-Jan-99	63987	16-Feb-04	06-Jan-19	Dichloroethane Catalyst,
INEOS VINYLS	United States of							Process for its Preparation, and its use in the Synthesis of 1,2-
INEDE VINITED	America	Granted	09/582887	06-Jan-99	6777373	17-Aug-04	06-Jan-19	Dichloroethane Catalyst and
INEOS VINYLS UK LIMITED	Belgium	Granted	99303973.4	21-May-99	1053789	14-Jul-04	21-May-19	oxychlorination process using it
INEOS VINYLS UK LIMITED	Czech Republic	Granted	PV2000-1490	21-Apr-00	296101	07-Nov-05	21-Apr-20	Catalyst and exychierination process using it
INEOS VINYLS UK LIMITED	Germany	Granted	99303973.4	21-May-99	69918672.2	14-Jul-04	21-May-19	Catalyst and exychlorination
INEOS VINYLS UK LIMITED	Spain	Granted	99303973.4	21-May-99	1053789	14-Jul-04	21-May-19	Catalyst and oxychlorination process using it

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INEOS VINYLS	-	1						Catalyst and exychlorination
UK LIMITED	France	Granted	99303973.4	21-May-99	1053789	14-Jul-04	21-May-19	process using it
INEOS VINYLS	United				1	[-	Catalyst and oxychlorination
UK LIMITED	Kingdom	Granted	99303973.4	21-May-99	1053789	14-Jul-04	21-May-19	process using it
								Catalyst and
INEOS VINYLS UK LIMITED	llalv	Granted	99303973.4	24 142 22	1053789	14-Jul-04	21-May-19	oxychiorination process using it
OKLERNICD	itely	Gianted		21-May-99	1033769	14-201-04	Z I-Iviay-19	Catalyst and
INEOS VINYLS])			}	oxychlorination
UK LIMITED	Japan	Pending	2000-135406	09-May-00			_09-May-21	process using it
INEOS VINYLS	Korea,	,					ì	Catalyst and oxychlorination
UKLIMITED	Republic of	Granted	23236/2000	01-May-00	613656	10-Aug-06	01-May-20	process using it
	İ			1				Catalyst and
INEOS VINYLS UK LIMITED	Netherlands	Granted	99303973.4	21-May-99	1053789	14-Jul-04	21-May-19	oxychiorination process using it
OLC ENGINEE	1100101101100	Ciained	33000373.4	2(-1418)-35	1003709	14-341-04	ZI-May-13	Catalyst and
INEOS VINYLS								oxychlorination
UK LIMITED	Sweden	Granted	99303973.4	21-May-99	1053789	14-Jul-04	21-May-19	process using it
INEOS VINYLS					ļ			Catalyst and oxychiorination
UK LIMITED	Talwan	Granted	89106790	12-Apr-00	1282749	21-Jun-07	12-Apr-20	process using it
	United	l i						Catalyst and
INEOS VINYLS UK LIMITED	States of America	Granted	09/567282	08-May-00	6465701	15-Oct-02	08-May-20	oxychlorination process using it
011 0111111111	10.10.100	_ Gracilos	Odradi Zoz.	00-1112	0402704	10-001-02	00-May-20	Polymenisation
INEOS VINYLS				i I				of vinyl chloride
UK LIMITED	Belgium	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	monomer
INEOS VINYLS								Polymerisation of vinyl chloride
UK LIMITED	Brazil	Pending	PI0519028-2	14-Dec-05			14-Dec-25	monomer
]				Polymerisation
INEOS VINYLS UK LIMITED	Canada	Pending	2589790	14-Dec-05			14-Dec-25	of vinyl chloride monomer
	China			1				Polymerisation
INEOS VINYLS	(Peoples		200580042576.] [of vinyl chloride
UK LIMITED	Republic)	Allowed	3	14-Dec-05			14-Dec-25	monomer
INEOS VINYLS	Czech		•		i	ļ	ļ	Polymerisation of vinyl chloride
UK LIMITED	Republic	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	monomer
INEOS VINYLS				1		}	1	Polymerisation
UK LIMITED	Germany	Granted	05818356.7	14-Dec-05	602005009018.5	13-Aug-08	14-Dec-25	of vinyl chloride I
								Polymerisation
INEOS VINYLS UK LIMITED	Spain	Granted	05818356.7	14-Dec-05	2309824	12 4 00	14-Dec-25	of vinyl chloride
OKLIMITED	Opani	Granteu	00010000.7	14-090-05	2309624	13-Aug-08	14-5/60-25	monomer Polymerisation
INEOS VINYLS							1	of vinyl chloride
UK LIMITED	France	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	monomer
INEOS VINYLS	United			l			1	Polymerisation of vinyl chloride
UK LIMITED	Kingdom	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	monomer
N. I. C. C. L. II. D. C. C.	i	{ {				1		Polymerisation
INEOS VINYLS UK LIMITED	Hungary	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	of vinyl chloride monomer
	, , , , , ,	3	000100001	17 200 00	702-1002	10 7.00 00	1 14 000 20	Polymerisation
INEOS VINYLS			W-00 2007				ŀ	of vinyl chloride
UK LIMITED	Indonesia	Published	01840	14-Dec-05		 	14-Dec-25	monomer
INEOS VINYLS	l		4158/DELNP/				Ţ	Polymerisation of vinyl chloride
UKLIMITED	India	Published	2007	14-Dec-05			14-Dec-25	
NEOC LINES	Jan. 21:3:					!		Polymerisation
INEOS VINYLS UK LIMITED	iran (Islamic Republic of)	Pending	387071106	19-Oct-08	ļ	Į.	14-Dec-25	of vinyl chloride monomer
			1	1.5 55.55	†	1	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Polymerisation
INEOS VINYLS				1		1	1	of vinyl chloride
UK LIMITED	Italy	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	
INEOS VINYLS	}	1	1	ł	ļ	1	1	Polymerisation of vinyl chloride
UK LIMITED	Japan	Pending	2007-546177	14-Dec-05	<u> </u>			monomer
			1	1		1	1	Polymerisation
INEOS VINYLS UK LIMITED	Korea, Republic of	Pending	2007-7013350	14-0 05	1	i	14-00-00	of vinyl chloride
OU FIMILED	Lebrone of	rending	1 2001-7013350	14-Dec-05	<u> </u>	1	14-Dec-25	monomer

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INEOS VINYLS UK LIMITED	Mexico	Pending	MX/a/2007/007 085	14-Dec-05			14-Dec-25	Polymerisation of vinyt chloride monomer
INEOS VINYLS UK LIMITED	Netherlands	Granled	05818356.7	14-Dec-05	1824892	12 Aug 09	14-Dec-25	Polymerisation of vinyl chloride
INEOS VINYLS UK LIMITED	Poland	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	Polymerisation of vinyl chloride monomer
INEOS VINYLS UK LIMITED	Portugal	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	Polymerisation of vinyl chloride monomer
INEOS VINYLS UK LIMITED	Romania	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	Polymerisation of vinyl chloride monomer
INEOS VINYLS UK LIMITED	Sweden	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	Polymerisation of vinyl chloride monomer
INEOS VINYLS UK LIMITED	Siovakia	Granted	05818356.7	14-Dec-05	1824892	13-Aug-08	14-Dec-25	Polymerisation of vinyl chloride monomer
INEOS VINYLS UK LIMITED	United States of America	Pending	11/792085	14-Dec-05				Polymerisation of vinyl chloride monomer
INEOS VINYLS UK LIMITED	Viet Nam	Pending	1-2007-01420	14-Dec-05			14-Dec-25	Polymerisation of vinyl chloride monomer
INEOS VINYLS UK LIMITED	Viet Nam	Pending	1-2008-00550	14-Dec-05			14-Dec-25	Polymerisation of vinyl chloride monomer
INEOS VINYLS								Metallic monolith catalyst support for selective gas phase reactions in tubular fixed
UK LIMITED	Belgium	Granted	00308126.2	18-Sep-00	1110605	26-Nov-08	18-Sep-20	bed reactors Metallic
					-			monolith catalyst support for selective gas phase reactions in
INEOS VINYLS UK LIMITED	Germany	Granted	00308126.2	18-Sep-00	60040898.1-08	26-Nov-08	18-Sep-20	tubular fixed bed reactors
INEOS VINYLS UK LIMITED								Metallic monolith catalyst support for selective gas phase reactions in tubular fixed
INEOS VINYLS	France United States of	Granted	00308126.2	18-Sep-00	1110605	26-Nov-08	18-Sep-20	bed reactors Metallic monolith catalyst support for selective gas phase reactions in
UK LIMITED	America	Published	09/746219	22-Dec-00				tubular fixed bed reactors
INEOS VINYLS UK LIMITED	China (Peoples Republic)	Granted	03155026.6	31-Jul-03	ZL03155026.6	25-Jul-07	31-Jul-23	A hollow pellet suitable as carrier of catalysts for selective exothermic
INEOS VINYLS UK LIMITED	European Patent Convention	Published	02255354.9	31-Jul-02	2103138020.6	zunur-d/	31-Jul-23	reactions A hollow pellet suitable as carrier of catalysts for selective exothermic reactions

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e Party Hardanes	i gajohapanyeet.	Garavia Rein			<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.25% (19. 1.35% (19.	
EVC TECHNOLOGY AG	India	Pending	889/DEL/2003	11-Jul-03			11~Jul-23	A hollow pellet suitable as carrier of catalysts for selective exothermic reactions
INEOS VINYLS UK LIMITED	Japan	Pending	2003-283606	31-Jul-03			31 - Jul-23	A holiow pellet suitable as carrier of catalysts for selective exothermic reactions
INEOS VINYLS UK LIMITED	Korea, Republic of	Pending	51377/2003	25-Jul-03			25-Jul-23	A hollow pallet suitable as carrier of catalysts for selective exothermic reactions
INEOS VINYLS UK LIMITED	Talwan	Granted	092120227	24~Jul-03	1283605	11~Jul-07	24-Jul-23	A hollow peliet suitable as carrier of catalysts for selective exothermic reactions
INEOS VINYLS UK LIMITED	United States of America	Granted	10/630551	29-Jul-03	7141708	28-Nov-06	29-Jul-23	A hollow pellet suitable as carrier of catalysts for selective exothermic reactions

PATENT

REEL: 024119 FRAME: 0751

Executed as a deed by INEOS VINYLS UK LIMITED acting by two directors))) Director
)) Director
Executed as a deed by INEOS TECHNOLOGIES (VINYLS) LIMITED acting by two directors) Director

PATENT

REEL: 024119 FRAME: 0752

Executed as a deed by INEOS VINYLS UK LIMITED acting by two directors) Director
) Director
Executed as a deed by INEOS TECHNOLOGIES (VINYLS) LIMITED acting by two directors))) Director
))) Director

	A OXIII	00 001	n	Applin No.	Filing Date Patent No. Grant Date Expiry Date	Expiry Date
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RECORDED: 03/18/2010

PATENT REEL: 024119 FRAME: 0754

Page 1