

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF PATENT SECURITY AGREEMENT

**CONVEYING PARTY DATA**

Name	Execution Date
GENERAL ELECTRIC CAPITAL CORPORATION, as agent	12/31/2010

**RECEIVING PARTY DATA**

Name:	MECS, INC.
Street Address:	14522 South Outer Forty Drive
City:	Chesterfield
State/Country:	MISSOURI
Postal Code:	63017

**PROPERTY NUMBERS Total: 22**

Property Type	Number
Patent Number:	5118490
Patent Number:	5538707
Application Number:	11342136
Application Number:	11031820
Patent Number:	5605748
Patent Number:	5919405
Patent Number:	5609863
Patent Number:	6059025
Patent Number:	5130112
Patent Number:	5503821
Patent Number:	5175136
Patent Number:	5264200
Application Number:	11916145
Patent Number:	5628977
Patent Number:	6776974

**501395475**

**PATENT**  
**REEL: 025576 FRAME: 0149**

**CH \$880.00 5118490**

Patent Number:	5851265
Patent Number:	6673241
Patent Number:	5352444
Patent Number:	5589164
Patent Number:	5587157
Patent Number:	5736032
Patent Number:	6106592

**CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	0209145.00025
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NAME OF SUBMITTER:	Beata White
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Total Attachments: 7  
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## PATENT RELEASE AND REASSIGNMENT

THIS PATENT RELEASE AND REASSIGNMENT is made as of December 31, 2010, by GENERAL ELECTRIC CAPITAL CORPORATION, as agent ("Agent"). Capitalized terms used but not defined herein shall have the same meanings assigned to such terms in the Security Agreement (as defined below).

### WITNESSETH:

WHEREAS, MECS, INC., a Delaware corporation ("Grantor"), and Agent are parties to that certain Patent Security Agreement, dated as of January 31, 2008 (as amended, restated, supplemented or otherwise modified from time to time, referred to as the "Security Agreement"), pursuant to which Grantor granted a security interest to Agent in certain patents and related rights and assets (collectively, the "Patent Collateral"); and

WHEREAS, the Security Agreement was recorded by the Patent Division of the United States Patent and Trademark Office on February 5, 2008 at Reel 020462, Frame 0532; and

WHEREAS, Grantor has requested that Agent release its security interest in the Patent Collateral described on Schedule 1 hereto (such Patent Collateral, the "Released Patent Collateral") and reassign the same to Grantor.

NOW THEREFORE, for good and valuable consideration, receipt and sufficiency of which are hereby acknowledged:

1. Agent hereby releases its security interest in all of Grantor's right, title and interest in and to the following:

- (i) all of its Patents and all IP Licenses providing for the grant by or to such Grantor of any right under any Patent, including, without limitation, those referred to on Schedule 1 hereto;
- (ii) all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of the foregoing; and
- (iii) all income, royalties, proceeds and Liabilities at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof.

2. Agent hereby reassigns, grants and conveys to Grantor, without any representation, recourse or undertaking by Agent, and all of Agent's right, title and interest in and to the Patents and the Patent Collateral.

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IN WITNESS WHEREOF, Agent has caused this Patent Release and Reassignment to be executed as of the day and year first above written.

**GENERAL ELECTRIC CAPITAL  
CORPORATION, as Agent**

By: Devasena Vallabani  
Name: Devasena Vallabnaneni  
Title: Duly Authorized Signatory

**Patents**

TITLE	COUNTRY	PATENT NUMBER	SP MATTER NUMBER	FILED	SERIAL NUMBER	ISSUE	STATUS	EXPIRATION DATE
<b>ABSORPTION OF WET CONVERSION GAS</b>								
UNITED STATES		5118490	ENV6367	21-Jun-89	07/369,301	02-Jun-92	ISSUED	6/21/2009
MOROCCO		21874	ENV9545	13-Jun-90	22143	31-Dec-90	ISSUED	6/13/2010
GERMANY		4019184	ENV9547	15-Jun-90	4019184.2	05-Aug-04	ISSUED	6/15/2010
CANADA		2019462	ENV9549	20-Jun-90	2019462	27-Oct-98	ISSUED	6/20/2010
UNITED KINGDOM		2233321	ENV9548	20-Jun-90	9013791	09-Jun-93	ISSUED	6/20/2010
TUNISIA		16325	ENV9546	20-Jun-90	90086	05-Jan-91	ISSUED	6/19/2010
<b>ACID CONCENTRATION CONTROL IN SO3 ABSORPTION</b>								
UNITED STATES		5538707	ENV9679	01-Mar-94	08/203,821	23-Jul-96	ISSUED	3/1/2014
<b>DISTRIBUTOR (Chinese Utility Model)</b>								
CHINA		ZL02279375.5	ENV10004	27-Sep-02	2279375.5	10/Sep-03	ISSUED	9/27/2012
<b>FIBER BED ASSEMBLY AND FIBER BED THEREFOR</b>								
UNITED STATES			ENV10011	27-Jan-06	11/342,136		PUBLISHED	
WIPO			ENV10011.1	19-Jan-07	2007/060780		PENDING	
<b>FIBER COLLECTING MEDIA STRIP FOR A MIST ELIMINATOR</b>								
UNITED STATES			ENV10006	07-Jan-05	11/031,820		PUBLISHED	
ARIPO			ENV10006.14	05-Jan-06	AP/P/2007/0004086		PENDING	
AUSTRALIA			ENV10006.2	05-Jan-06	200603875		PENDING	
CHINA			ENV10006.3	05-Jan-06	2.0068E+11		PENDING	
EURO PAT CONVENT			ENV10006.15	05-Jan-06	6717655.2		PUBLISHED	
INDONESIA			ENV10006.4	05-Jan-06	WO0200702191		PENDING	
JAPAN			ENV10006.5	05-Jan-06	TBA		PENDING	
SOUTH KOREA			ENV10006.6	05-Jan-06	10-2007-7018035		PENDING	
MOROCCO			ENV10006.7	05-Jan-06	PV/30097		PENDING	
PHILIPPINES			ENV10006.8	05-Jan-06	1-2007-501432		PENDING	
FED OF RUSSIA			ENV10006.9	05-Jan-06	TBA		PENDING	
SINGAPORE			ENV10006.10	05-Jan-06	200704614-7		PENDING	
TUNISIA			ENV10006.12	05-Jan-06	SN07242		PENDING	
VIETNAM			ENV10006.13	05-Jan-06	1-2007-01579		PENDING	
SOUTH AFRICA			ENV10006.11	05-Jan-06	2007/05188		PENDING	
<b>FIBER BEDS FOR FIBER BED MIST ELIMINATORS</b>								
UNITED STATES		5605748	ENV9676	19-Jan-94	08/183,673	25-Feb-97	ISSUED	2/25/2014
BELGIUM		612551	ENV9814	20-Jan-94	94300442.4	28-May-97	ISSUED	1/20/2014
GERMANY		69403361.8	ENV9815	20-Jan-94	94300442.4	28-May-97	ISSUED	1/20/2014
FRANCE		612551	ENV9816	20-Jan-94	94300442.4	28-May-97	ISSUED	1/20/2014

TITLE	COUNTRY	PATENT NUMBER	SP MATTER NUMBER	FILED	SERIAL NUMBER	ISSUE	STATUS	EXPIRATION DATE
	UNITED KINGDOM	612551	ENV9817	20-Jan-94	94300442.4	28-May-97	ISSUED	1/20/2014
	CANADA	2113980	ENV9678	21-Jan-94	2113980	27-Jul-99	ISSUED	1/21/2014
	ITALY	612551	ENV9818	20-Jan-94	94300442.4	28-May-97	ISSUED	1/20/2014
<b>FLUID DISTRIBUTION SYSTEM FOR AN ABSORPTION TOWER</b>								
	UNITED STATES	- 5919405	ENV9801	23-Oct-97	08/956,707	06-Jul-99	ISSUED	10/23/2017
<b>GLYOXAL COMPOSITION FOR REDUCTION OF ANIMAL WASTE STENCH AND SEPTICITY, AND METHOD THEREOF (Exosite)</b>								
	UNITED STATES	- 5609863	ENV9857	31-Jul-95	08/509,334	11-Mar-97	ISSUED	11/22/2013
<b>HEAT EXCHANGER CONFIGURATION</b>								
	UNITED STATES	- 6059025	ENV9932	05-Mar-98	09/35,374	09-May-00	ISSUED	3/5/2017
<b>HEAT RECOVERY FROM CONCENTRATED SULFURIC ACID</b>								
	CANADA	1303814	ENV9570	05-Dec-84	469390-84	23-Jun-92	ISSUED	6/23/2009
	CANADA	1308876	ENV9571	08-Nov-85	494966-85	20-Oct-92	ISSUED	10/20/2009
	CANADA	1334783	ENV9565	18-Sep-87	547313	21-Mar-95	ISSUED	3/21/2012
<b>HEAT RECOVERY SYSTEM (Chinese Utility Model)</b>								
	CHINA	ZL02290636.3	ENV10003	26-Dec-02	2290636.3	24-Dec-03	ISSUED	12/26/2012
<b>METHODS FOR RECOVERING HIGH GRADE PROCESS ENERGY FROM A CONTACT SULFURIC ACID PROCESS</b>								
	UNITED STATES	- 5130112	ENV9537	23-Mar-90	07/498,638	14-Jul-92	ISSUED	3/23/2010
	AUSTRIA	521075	ENV9713	20-Mar-91	91906856.9	14-Dec-94	ISSUED	3/20/2011
	AUSTRALIA	639998	ENV9642	20-Mar-91	75814/91	06-Dec-93	ISSUED	3/20/2011
	CANADA	2075069	ENV9644	20-Mar-91	2075069	27-Jul-99	ISSUED	3/20/2011
	GERMANY	521075	ENV9716	20-Mar-91	91906856.9	14-Dec-94	ISSUED	3/20/2011
	SPAIN	521075	ENV9718	20-Mar-91	91906856.9	14-Dec-94	ISSUED	3/20/2011
	FRANCE	521075	ENV9715	20-Mar-91	91906856.9	14-Dec-94	ISSUED	3/20/2011
<b>METHODS FOR RECOVERING HIGH GRADE PROCESS ENERGY FROM A CONTACT SULFURIC ACID PROCESS (Continued)</b>								
	UNITED KINGDOM	521075	ENV9717	20-Mar-91	91906856.9	14-Dec-94	ISSUED	3/20/2011
	MOROCCO	22088	ENV9612	21-Mar-91	22364/91	22-May-95	ISSUED	3/21/2011
	MEXICO	173816	ENV9611	22-Mar-91	25021/91	29-Mar-94	ISSUED	3/22/2011
	NEW ZEALAND	237552	ENV9607	22-Mar-91	237552/91	08-Jan-93	ISSUED	3/21/2011
	TUNISIA	16415	ENV9613	25-Mar-91	91016	25-Dec-91	ISSUED	3/24/2011
	EGYPT	19209	ENV9609	03-Apr-91	198/91	31-Oct-94	ISSUED	4/3/2011
	INDIA	179580	ENV9608	22-Apr-91	313/MAS/91	31-Jul-98	ISSUED	4/22/2011
	UNITED STATES	- 5503821	ENV9660	02-Jun-93	08/070,260	02-Apr-96	ISSUED	4/2/2013
<b>MONOLITHIC CATALYSTS FOR CONVERSION OF SULFUR DIOXIDE TO SULFUR TRIOXIDE</b>								
	UNITED STATES	- 5175136	ENV9538	19-Nov-90	07/615,307	29-Dec-92	ISSUED	5/31/2011
	CANADA	2043539	ENV9618	30-May-91	2043539	04-Mar-97	ISSUED	5/30/2011

TITLE	COUNTRY	PATENT NUMBER	SP MATTER NUMBER	FILED	SERIAL NUMBER	ISSUE	STATUS	EXPIRATION DATE
UNITED KINGDOM UNITED KINGDOM JAPAN UNITED STATES		2263650	ENV9650	30-May-91	9225043	11-Jan-95	ISSUED	5/30/2011
		2277887	ENV9687	30-May-91	9410843	08-Feb-95	ISSUED	5/30/2011
		3502878	ENV9648	30-May-91	3-512596	19-Dec-03	ISSUED	5/30/2011
		- 5264200	ENV9641	14-Jul-92	07/915,129	23-Nov-93	ISSUED	11/23/2011
PROCESS AND APPARATUS FOR THE COMBUSTION OF A SULFUR-CONTAINING LIQUID								
WIPO			ENV10005.1	02-Jun-06	2006/021455		PUBLISHED	
UNITED STATES		-	ENV10005.2	02-Jun-06	11/916,145		PENDING	
AUSTRALIA			ENV10005.3	02-Jun-06	TBA		PENDING	
BRAZIL			ENV10005.4	02-Jun-06	TBA		PENDING	
CHINA			ENV10005.5	02-Jun-06	TBA		PENDING	
MOROCCO			ENV10005.6	02-Jun-06	TBA		PENDING	
TUNISIA			ENV10005.7	02-Jun-06	SN07446		PENDING	
PROCESS FOR THE ADIABATIC COOLING OF HOT GASES [Co-owned with Kerr-McGee (now Tronox) -Monitor only]								
GERMANY		19733247	ENV10013	01-Aug-97	19733247.1	31-Jul-06	ISSUED	8/2/2017
PROCESS FOR THE DESULFURIZATION OF A CRUDE GAS CONTAINING H2S								
GERMANY		59302392.7	ENV9906	24-Nov-93	94901868.3	24-Apr-96	ISSUED	11/24/2013
ITALY		670811	ENV9907	24-Nov-93	94901868.3	24-Apr-96	ISSUED	11/24/2013
NETHERLANDS		670811	ENV9909	24-Nov-93	94901868.3	24-Apr-96	ISSUED	11/24/2013
SWEDEN		670811	ENV9908	24-Nov-93	94901868.3	24-Apr-96	ISSUED	11/24/2013
UNITED STATES		- 5628977	ENV9905	24-Nov-93	08/436,471	13-May-97	ISSUED	5/13/2014
PROCESS FOR THE PRODUCTION OF SULFUR (Single Stage Claus/Acid Pre-Treatment)								
CANADA			ENV9851.5	20-Oct-00	2386336		PENDING	
EURO PAT CONVENT			ENV9851.16	20-Oct-00	EP1642864		PUBLISHED	10/20/2022
GERMANY		60024866.6	ENV9851.17	20-Oct-00	970999.9	14-Dec-05	ISSUED	10/20/2020
SPAIN		1230149	ENV9851.19	20-Oct-00	970999.9	14-Dec-05	ISSUED	10/20/2020
FRANCE		1230149	ENV9851.18	20-Oct-00	970999.9	14-Dec-05	ISSUED	10/20/2020
UNITED KINGDOM		1230149	ENV9851.20	20-Oct-00	970999.9	14-Dec-05	ISSUED	10/20/2020
UNITED STATES		- 6776974	ENV9851.1	20-Oct-00	09/693,418	17-Aug-04	ISSUED	4/18/2021
RUTHENIUM OXIDE CATALYSTS FOR CONVERSION OF SULFUR DIOXIDE TO SULFUR TRIOXIDE								
WIPO			ENV9995.1	25-Sep-06	2006/037357		PUBLISHED	
SELECTIVE REMOVAL AND RECOVERY OF SULFUR DIOXIDE FROM EFFLUENT GASES USING ORGANIC PHOSPHOROUS SOLVENTS (ClausMaster)								
UNITED STATES		- 5851265	ENV9725	03-Sep-96	08/707,344	22-Dec-98	ISSUED	9/3/2016
CHINA		ZL97197623.6	ENV9893	12-Aug-97	97197623.6	26-Mar-03	ISSUED	8/12/2017
EURO PAT CONVENT			ENV9900	12-Aug-97	97939409.5		PUBLISHED	



TITLE	COUNTRY	PATENT NUMBER	SP MATTER NUMBER	FILED	SERIAL NUMBER	ISSUE	STATUS	EXPIRATION DATE
SCRUBBER SYSTEM FOR THE DESULFURIZATION OF GASEOUS STREAMS								
	SOUTH KOREA	499193	ENV9896	12-Aug-97	1999-7001724	24-Jun-05	ISSUED	8/12/2017
WIPO								
			ENV10022	16-Feb-07	2007/062339		PENDING	
SELF-FLOATING COVER SYSTEM FOR A BODY OF WATER								
	UNITED STATES	6673241	ENV9885.1	27-Apr-01	09/844,498	06-Jan-04	ISSUED	6/4/2021
STABILIZATION OF BIOWASTES (Exosite)								
	UNITED STATES	- 5352444	ENV9860	19-May-92	07/886,417	04-Oct-94	ISSUED	5/19/2012
	CANADA	2134776	ENV9850	14-May-93	2134776	24-Apr-01	ISSUED	5/14/2013
	UNITED STATES	- 5589164	ENV9867	07-Jun-95	08/476,268	31-Dec-96	ISSUED	5/19/2012
	UNITED STATES	- 5587157	ENV9868	07-Jun-95	08/474,329	24-Dec-96	ISSUED	5/19/2012
	UNITED STATES	- 5736032	ENV9863	11-Oct-96	08/729,597	07-Apr-98	ISSUED	5/19/2012
WET ELECTROSTATIC FILTRATION PROCESS AND APPARATUS FOR CLEANING A GAS STREAM								
	UNITED STATES	~6106592	ENV9873	16-Mar-99	09/270,367	22-Aug-00	ISSUED	3/17/2018

2. DuPont has notified MECS that is has prepared two patent applications that are covered by the provisions of the Joint Development and Marketing Alliance Agreement and the Technology Agreement between DuPont and MECS. These are (1) process for treating acid gas in staged furnaces with inter-stage heat recovery, and (2) process for treating acid gas in staged furnaces with inter-stage heat recovery and inter-stage sulfur production.