

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2678404

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CONFIRMATIVE DEED OF TRANSFER OF OWNERSHIP
CONVEYING PARTY DATA	
Name	Execution Date
ALSTOM TRANSPORT SA	03/31/2013
RECEIVING PARTY DATA	
Name:	ALSTOM TRANSPORT TECHNOLOGIES
Street Address:	3 AVENUE ANDRE MALRAUX
City:	92300 LEVALLOIS-PERRET
State/Country:	FRANCE
PROPERTY NUMBERS Total: 55	
Property Type	Number
Patent Number:	5391111
Patent Number:	5357869
Patent Number:	5388529
Patent Number:	5407032
Patent Number:	5462144
Patent Number:	5579699
Patent Number:	5660116
Patent Number:	5715757
Patent Number:	5557555
Patent Number:	5629101
Patent Number:	5612110
Patent Number:	5546865
Patent Number:	5615786
Patent Number:	5575453
Patent Number:	5797646
Patent Number:	5647793

Patent Number:	5695158
Patent Number:	5713704
Patent Number:	5644989
Patent Number:	5921185
Patent Number:	5984773
Patent Number:	6158356
Patent Number:	6273497
Patent Number:	6031449
Patent Number:	6039349
Patent Number:	6234702
Patent Number:	6176547
Patent Number:	6274843
Patent Number:	7213521
Patent Number:	6336409
Patent Number:	6378444
Patent Number:	6363862
Patent Number:	6393998
Patent Number:	6443510
Patent Number:	6454326
Patent Number:	6454345
Patent Number:	6457420
Patent Number:	6484074
Patent Number:	6497183
Patent Number:	6561105
Patent Number:	6561893
Patent Number:	6739175
Patent Number:	6941874
Patent Number:	6895358
Patent Number:	7178467
Patent Number:	7789022
Patent Number:	7958831
Patent Number:	8166888
Patent Number:	7814841
Patent Number:	8051780
Patent Number:	7908976

	8166889
Patent Number:	8286560
Patent Number:	8381659
Patent Number:	8365675

CORRESPONDENCE DATA

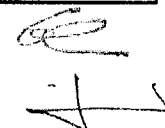
Fax Number: (703)685-0573
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Correspondence will be sent via US Mail when the email attempt is unsuccessful.
Correspondent Name: ANDREW J. PATCH
Address Line 1: 209 MADISON STREET
Address Line 2: SUITE 500
Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	0512-10045
NAME OF SUBMITTER:	BENOIT CASTEL
Signature:	/BENOIT CASTEL/
Date:	01/13/2014

Total Attachments: 7

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<u>ACTE CONFIRMATIF DE TRANSFERT DE PROPRIETE</u>	<u>CONFIRMATIVE DEED OF TRANSFER OF OWNERSHIP</u>
<u>ENTRE LES SOUSSIGNEES</u>	<u>BETWEEN THE UNDERSIGNED</u>
ALSTOM Transport SA Société anonyme immatriculée au Registre National du Commerce et des Sociétés sous le n°389 191 982 <i>Précédemment dénommée GEC ALSTHOM TRANSPORT SA</i> ayant son siège social au : 3 Avenue André Malraux 92300 Levallois-Perret FRANCE ci-après désignée : Société Apporteuse <u>d'une part,</u>	ALSTOM Transport SA A French "Societe anonyme" registered in the French Commercial and Companies Register under No. 389 191 982 <i>Formerly known as GEC ALSTHOM TRANSPORT SA</i> having its head office at: 3 Avenue André Malraux 92300 Levallois-Perret FRANCE hereafter called: Contributor Company <u>on one hand,</u>
<u>ET</u>	<u>AND</u>
ALSTOM Transport Technologies Société par actions simplifiée à associé unique immatriculée au Registre National du Commerce et des Sociétés sous le n°752 364 778 ayant son siège social au : 3 Avenue André Malraux 92300 Levallois-Perret FRANCE ci-après désignée : Société Bénéficiaire <u>d'autre part,</u>	ALSTOM Transport Technologies A French "Societe par actions simplifiée à associe unique" registered in the French Commercial and Companies Register under No. 752 364 778 having its head office at: 3 Avenue André Malraux 92300 Levallois-Perret FRANCE hereafter called: Beneficiary Company <u>on the other hand,</u>
<u>IL EST EXPOSE QUE :</u>	<u>IT HAS BEEN STATED THAT:</u>
La Société Apporteuse est seule propriétaire des brevets ou demandes de brevet listés dans l'Annexe ci-jointe et ci-après nommés « Brevets ». Dans le cadre d'un acte sous seing privé signé le 22 mars 2013, la Société Apporteuse a transféré la propriété des Brevets à la Société Bénéficiaire en échange d'une contrepartie financière de 1 € et autre juste contrepartie. L'objet du présent acte est de confirmer ce transfert de propriété devenu effectif le 31 mars 2013 en vue de procéder à son inscription auprès des offices des brevets concernés.	The Contributor Company is the sole owner of the patents or patent applications listed in the attached hereto Schedule and hereinafter named "Patents". Within the framework of a private deed signed on March 22, 2013, the Contributor Company has transferred the ownership on the Patents to the Beneficiary Company for the lump sum of 1 € and other good and valuable consideration. The purpose of the present deed is to confirm this transfer of ownership become effective on March 31, 2013 in order to proceed with its recordal with the concerned Patent Offices.


PATENT

REEL: 031980 FRAME: 0526

IL A ETE CONVENU CE QUI SUIT

1. Par les présentes, la Société Apporteuse confirme le transfert au profit de la Société Bénéficiaire, qui accepte, de tous ses droits de propriété sur les Brevets, ainsi que tous les brevets issus de ces titres, tous les droits, demandes en continuité, demandes divisionnaires, reissues, re-examinations et extensions y afférentes, sans exception ni réserve.
2. En conséquence, la Société Bénéficiaire est subrogée dans tous les droits et obligations de la Société Apporteuse en ce qui concerne les Brevets. Elle pourra notamment les exploiter, en concéder des licences à des tiers, aliéner librement ses droits et poursuivre les contrefacteurs même pour des faits antérieurs au présent transfert de propriété dans les conditions prévues dans l'acte précité signé le 22 mars 2013.
3. La présente confirmation ne modifie pas les conditions du transfert précédemment intervenu entre les parties.

En dix-sept exemplaires originaux.

ALSTOM Transport SA

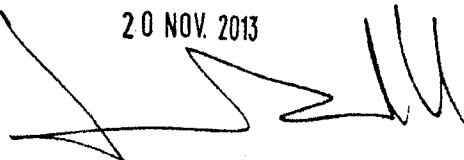
Nom/Name: **WALLUT Jerome**

Nationalité/Nationality: **FRANCAISE**

Qualité/Title: **Président Directeur Général**

Fait à/Done at: **SAINT-OUEN**

Le/On: **20 NOV. 2013**



THE FOLLOWING HAS BEEN AGREED UPON

1. The Contributor Company hereby confirms the transfer of ownership to the Beneficiary Company, who accepts, of all its rights of ownership and use to the Patents, as well as the national patents resulting thereof, and the continuities, divisional, reissues, reexaminations and extensions issued thereof, without any restriction nor reserve.
2. The Beneficiary Company is therefore subrogated in all rights and obligations of the Contributor Company in respect of Patents. It will be more particularly in a position to use them, to grant licenses to third parties, to freely alienate its rights and sue possible infringers even for facts prior to the present transfer of ownership in the conditions defined in the above mentioned private deed signed on March 22, 2013.
3. The present confirmative deed does not alter the provisions of the previous transfer occurred between the parties.

In seventeen original copies.

ALSTOM Transport Technologies

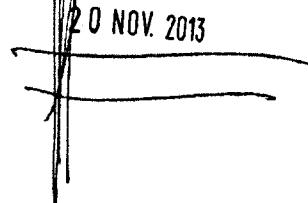
Nom/Name: **CHRETIEEN GILLES**

Nationalité/Nationality: **FRANCAISE**

Qualité/Title: **Directeur Propriété Intellectuelle**

Fait à/Done at: **SAINT-OUEN**

Le/On: **20 NOV. 2013**



UNITED STATES OF AMERICA	Device and method to suppress sudden pressure changes in vehicles, in particular land vehicles	National Patent	16/07/1992	16/07/1993	08/09/1987	21/02/1995	5391111
UNITED STATES OF AMERICA	Improved access device for a rail vehicle	National Patent	10/07/1992	29/06/1993	08/08/1987	25/10/1994	5357869
UNITED STATES OF AMERICA	Stainless steel body for railway carriage	National Patent	03/06/1992	02/06/1993	08/07/1987	14/02/1995	5388529
UNITED STATES OF AMERICA	Brake system for railway vehicle utilizing carbon based materials	National Patent	26/10/1992	25/10/1993	08/01/1987	18/04/1995	5407032
UNITED STATES OF AMERICA	Shock-damping device	National Patent	23/04/1993	13/04/1994	08/02/1987	31/10/1995	5462144
UNITED STATES OF AMERICA	Shock absorbing devices and methods, frame and vehicle having such shock absorbing devices	National Patent	25/11/1993	26/04/1994	08/02/1987	03/12/1996	5579699
UNITED STATES OF AMERICA	Shock absorbing devices and methods, frame and vehicle having such shock absorbing devices	Divisional	25/11/1993	09/05/1996	08/06/1987	26/08/1997	5660116
UNITED STATES OF AMERICA	Shock absorbing devices and methods, frame and vehicle having such shock absorbing devices	Divisional	25/11/1993	19/02/1997	08/08/1987	10/02/1998	5715757
UNITED STATES OF AMERICA	Air-conditioning regulating device for fixed or moving constructions	National Patent	24/02/1993	23/02/1994	08/02/1987	17/09/1996	5557555
UNITED STATES OF AMERICA	Multi-material disc for high-energy braking	National Patent	25/03/1994	24/03/1995	08/04/1987	13/05/1997	5629101
UNITED STATES OF AMERICA	Ceramic or cermet coated disk for high energy braking	National Patent	08/06/1994	24/03/1995	08/04/1987	18/03/1997	5612110
UNITED STATES OF AMERICA	Device for reducing the aerodynamic drag of a cavity in a flow and a vehicle, particularly a railway vehicle	National Patent	24/03/1994	22/03/1995	08/04/1987	20/08/1996	5546865
UNITED STATES OF AMERICA	Articulated coupling and method for energy absorption between two railway vehicles	National Patent	15/02/1994	14/02/1995	08/03/1987	01/04/1997	5615786

ANNEXE/SCHEDULE

UNITED STATES OF AMERICA	Shut-off device for a distributing duct, and installation comprising such a device	National Patent	26/05/1994	15/05/1995	08/04/1437	19/11/1996	5575453
UNITED STATES OF AMERICA	Road or rail vehicle and its assembling method	Continuation	13/06/1994	16/07/1997	08/0895568	25/08/1998	5797646
UNITED STATES OF AMERICA	Apparatus and method for preventing sudden changes of pressure in vehicles	National Patent	22/12/1994	08/08/1996	08/0687603	15/07/1997	5647793
UNITED STATES OF AMERICA	Electrical or optical circuit support and routing system	National Patent	21/12/1994	20/12/1995	08/0575529	09/12/1997	5695158
UNITED STATES OF AMERICA	Device for immobilizing a wheelchair	National Patent	14/06/1995	13/06/1996	08/0661796	03/02/1998	5713704
UNITED STATES OF AMERICA	Two-level coach with continuous circulation in the upper level and with access from a high platform	National Patent	04/09/1995	03/09/1996	08/0707074	08/07/1997	5644989
UNITED STATES OF AMERICA	Inclination device for articulated vehicles, train formed of vehicles and vehicle equipped with such a device	National Patent	22/05/1996	21/05/1997	08/0859909	13/07/1999	5921185
UNITED STATES OF AMERICA	Process and device for the internal pressure control of a ventilated enclosure	National Patent	23/07/1996	22/07/1997	08/0898247	16/11/1999	5984773
UNITED STATES OF AMERICA	Energy absorbing device and vehicle, especially railway vehicle, with such an absorbing device	National Patent	10/02/1997	09/02/1998	09/020344	12/12/2000	6158356
UNITED STATES OF AMERICA	Caisse lego	Continuation	17/04/1997	16/04/1998	09/060755	14/08/2001	6273497
UNITED STATES OF AMERICA	Method for protecting against shocks between 2 vehicles using at least 1 inflatable element & device for carrying out the method	National Patent	23/06/1997	22/06/1998	09/102004	29/02/2000	6031449
UNITED STATES OF AMERICA	Devices comprising inflatable elements for protecting vehicles against shocks	National Patent	23/06/1997	22/06/1998	09/100960	21/03/2000	6039349
UNITED STATES OF AMERICA	Articulated coupling	National Patent	02/10/1997	01/10/1998	09/164572	22/05/2001	6234702

PATENT

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UNITED STATES OF AMERICA	Sieges modulables I	National Patent	12/02/1998	12/02/1999	09/249578	23/01/2001	6176547
UNITED STATES OF AMERICA	Dispositif de maintien de toles par robot laser	PCT Procedure	18/05/1998	17/05/1999	09/462205	14/08/2001	6274843
UNITED STATES OF AMERICA	Toile pour le soudage laser	PCT Procedure	18/05/1998	17/05/1999	09/462206	08/05/2007	7213521
UNITED STATES OF AMERICA	Rame ferroviaire (AT185)	National Patent	27/01/1999	27/01/2000	09/492197	08/01/2002	6336409
UNITED STATES OF AMERICA	Body of a railway vehicle, railway vehicle and related methods of assembly	National Patent	03/06/1999	02/06/2000	09/585363	30/04/2002	6378444
UNITED STATES OF AMERICA	Pantographe pendulaire: cinematique a vilebrequin	National Patent	10/11/1999	09/11/2000	09/708654	02/04/2002	6363862
UNITED STATES OF AMERICA	Système de contre pendulation du pantographe	National Patent	10/11/1999	09/11/2000	09/708651	28/05/2002	6393998
UNITED STATES OF AMERICA	Protection device for a vehicle against an impact	National Patent	04/04/2000	30/03/2001	09/821157	03/09/2002	6443510
UNITED STATES OF AMERICA	Impact protection device for a vehicle	National Patent	23/03/2000	23/03/2001	09/814947	24/09/2002	6454326
UNITED STATES OF AMERICA	Body of a railway vehicle	National Patent	30/08/2000	09/08/2001	09/924765	24/09/2002	6454345
UNITED STATES OF AMERICA	A rail vehicle including an end car extended by a cab	National Patent	22/05/2000	22/05/2001	09/861644	01/10/2002	6457420
UNITED STATES OF AMERICA	Dispositif de commande anticipatif pour fonctions de confort assembles	PCT Procedure	11/06/1999	07/02/2001	09/762468	19/11/2002	6484074
UNITED STATES OF AMERICA	Dispositif de gonflage et d'échappement d'un coussin gonflable	National Patent	12/07/2000	11/07/2001	09/901668	24/12/2002	6497183

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ANNEXE/SCHEDULE

UNITED STATES OF AMERICA	Crashworthiness train cabin	National Patent	18/12/2000	29/11/2001	09/995581	13/05/2003	6561105
UNITED STATES OF AMERICA	Railbound vehicle air-conditioning, distribution in passenger compartments	National Patent	04/10/2001	23/09/2002	10/252052	13/05/2003	6561893
UNITED STATES OF AMERICA	Plateforme d'essais crash	National Patent	13/11/2001	08/11/2002	10/290321	25/05/2004	6739175
UNITED STATES OF AMERICA	System preventing front window intrusion into driver's cab	National Patent	31/05/2002	15/05/2003	10/437969	13/09/2005	6941874
UNITED STATES OF AMERICA	Adaptative step system for railway vehicle	National Patent	16/10/2002	29/09/2003	10/671711	17/05/2005	6895358
UNITED STATES OF AMERICA	Retractable threshold for access doors	National Patent	04/02/2004	02/02/2005	11/047649	20/02/2007	7178467
UNITED STATES OF AMERICA	Portes coulissantes ferroviaires	PCT Procedure	27/08/2004	26/08/2005	11/561367	07/09/2010	7789022
UNITED STATES OF AMERICA	Modular composite side design	National Patent	02/06/2006	31/05/2007	11/809082	14/06/2011	7958831
UNITED STATES OF AMERICA	Vehicle carbody with composite ends	National Patent	02/06/2006	01/06/2007	11/809451	01/05/2012	8166888
UNITED STATES OF AMERICA	Tramway rame longue	National Patent	08/03/2007	07/03/2008	12/074957	19/10/2010	7814841
UNITED STATES OF AMERICA	Cabin glass cap	National Patent	07/06/2007	04/06/2008	12/156765	08/11/2011	8051780
UNITED STATES OF AMERICA	Entry-vestibule and deck adapted to PMR	National Patent	02/07/2007	02/07/2008	12/166555	22/03/2011	7908976
UNITED STATES OF AMERICA	Reinforced rubber gangway below	National Patent	24/01/2008	23/01/2009	12/358313	01/05/2012	8166889

PATENT

REEL: 031980 FRAME: 0531

ANNEXE/SCHEDULE

UNITED STATES OF AMERICA	Low floor car for high speed train	National Patent	11/03/2008	09/03/2009	12/381189	16/10/2012	8286560
UNITED STATES OF AMERICA	Véhicule à plancher bas intégral avec bogie pivotant	PCT Procedure	05/04/2007	14/03/2008	12/594801	26/02/2013	8381659
UNITED STATES OF AMERICA	Véhicule ferroviaire comprenant des bogies d'extrémité pivotants	PCT Procedure	05/04/2007	14/03/2008	12/594807	05/02/2013	8365675