#### 502554279 11/01/2013

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2599915

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
DIDIER VAN DEN ABEELE	10/13/2013
MARION BERBINEAU	08/30/2013
MARTINE WAHL	08/28/2013

## **RECEIVING PARTY DATA**

Name:	ALSTOM TRANSPORT SA
Street Address:	3 AVENUE ANDRE MALRAUX
City:	LEVALLOIS-PERRET
State/Country:	FRANCE
Postal Code:	92300

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13266819

## **CORRESPONDENCE DATA**

Fax Number: (703)739-9889 Phone: 703-739-9888 Email: dowell@dowellpc.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

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Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	17819
NAME OF SUBMITTER:	RALPH A. DOWELL
Signature:	/Ralph A Dowell/
	PATENT

**REEL: 031526 FRAME: 0673** 502554279

Date:	11/01/2013
Total Attachments: 4 source=17819sassign#page1.tif source=17819sassign#page2.tif source=17819sassign#page3.tif source=17819sassign#page4.tif	

PATENT REEL: 031526 FRAME: 0674

#### ASSIGNMENT

AND WHEREAS, ALSTOM TRANSPORT SA, of 3 avenue Andre Malraux, LEVALLOIS-PERRET, 92300, France, hereinafter the "Assignee," is desirous of obtaining all right, title and interest in the invention and patent application and any patents issuing thereon and/or claiming the benefit of such patent applications in the United States and all its territorial possessions.

NOW, THIS INDENTURE WITNESSETH, That for and in consideration of the sum of Ten Euros, in hand paid to us, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the Assignors, do hereby assign, sell and transfer to the Assignee the entire right, title and interest in and to the invention and the patent application and all patents issuing thereon and/or claiming the benefit of the patent application, within the United States of America and its territorial possessions and in and to all divisions, continuations, continuations-in-part, reexaminations and reissues of the applications and patents and all extensions thereof that may be granted, all such rights to be held and enjoyed by the Assignee for its own use, and for the use of its successors or assigns to the full end of the respective terms for which the patents may been granted, as fully and entirely as the same would have been held and enjoyed by the Assignors if this assignment sale had not been made, and such rights including the right to enforce the Patents against infringers, both past and future, including the right to retain all awards for damages with respect to any infringement without accounting to the Assignors.

In further consideration of said sum of Ten Euros, and said other good and valuable consideration, to us paid, we covenant and agree with the Assignee that we will, without demanding any further consideration therefor, at the request, but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, furnishing of

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information and giving of testimony, that may be or become necessary for obtaining, sustaining, or reissuing United States LETTERS PATENTS for the invention, and for maintaining and perfecting the Assignee's right to the invention and LETTERS PATENTS, particularly in cases of interference and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my signature, this 14 day of 000 13.

Signed	at: Asníeres	FRANCE	(City/Country)	
		X Signatur	ure: Didier VAN DEN ABEELE	
Sealed	and delivered	in presence of th	the following Witnesses:	
		**************************************	ignature  DENIS Catherine ame	
		Ado	& Bis Rue des Cimétice 95270 ASNERES/01	·sE
		5 <b>D</b> A	ddress	

Signature

Name

Address

Address

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IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my signature, this 30 day of August 2013			
Signed at		•	, Country)
	x	Pasineau	
	Signat	ure: Marion BE	
Sealed and delivered in pres			sses:
	<u>x</u> Signat	ure	
	Name		
	Addres	S	
·	Addres	S	
	<u>X</u> Signat		
	Name		
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	Addres	8	

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IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my signature, this 28 day of August 2013. Signed at Villeneuve d'Ascq FRANCE \_,(City, Country) Sealed and delivered in presence of the following Witnesses: Signature Name Address Address <u>x</u> Signature

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Name

Address

Address

PATENT REEL: 031526 FRAME: 0678

**RECORDED: 11/01/2013**