

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Alain Lacaze		11/08/2007
RECEIVING PARTY DATA		
Name:	Alstom Technology Ltd	
Street Address:	Brown Boveri Strasse 7	
City:	Baden	
State/Country:	SWITZERLAND	
Postal Code:	CH-5400	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	11863464	
CORRESPONDENCE DATA		
Fax Number:	(212)527-7701	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	2125277700	
Email:	mmohamed@Darbylaw.com	
Correspondent Name:	Darby & Darby, P.C.	
Address Line 1:	7 World Trade Center, 250 Greenwich St	
Address Line 4:	New York, NEW YORK 10007-0042	
ATTORNEY DOCKET NUMBER:	07278	
NAME OF SUBMITTER:	Madina Mohamed	
Total Attachments: 2		
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PATENT
REEL: 020155 FRAME: 0656

ASSIGNMENT

I, Alain Lacaze, a citizen of France, residing at 3 Rue de Champs; 90850 Essert;
FRANCE;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in
consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and
valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged,
paid to ASSIGNOR by

ALSTOM Technology Ltd

a Corporation organized under the laws of Switzerland, located at CHTI Intellectual Property,
Brown Boveri Strasse 7, CH-5400 Baden, SWITZERLAND (hereinafter "ASSIGNEE"), do
hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right,
title, and interest, in and for the United States of America only in and to my Invention entitled:

MATRIX CONVERTER

invented by me and described in International Application No. PCT/EP2006/060617, filed on
March 10, 2006 in the PCT; and all patents, divisions, reissues, continuations and any
extensions thereof and rights of priority therein, said interest being my entire ownership interest
in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal
representatives, to the full end of the term thereof, as fully and entirely as the same would have
been held and enjoyed by me if this assignment and sale had not been made;

And for the consideration aforesaid, I hereby covenant and agree to and with said
ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or
representative, or the counsel or representative of its successors or assigns, shall advise that an
amendment to, or a division of, or any other proceeding or action in connection with an
application concerning said Invention, including interference proceedings, is lawful and
desirable, or that a reissue or continuation or extension of such application or patent issuing
therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and
affidavits, and do all acts necessary or required to be done for the procurement of all lawful

rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: 8-11-2007



Alain Lacaze, Inventor