

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STMICROELECTRONICS PVT. LTD.	10/03/2014
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<b>City:</b>	AMSTERDAM
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1118 BH
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12819604
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<b>SIGNATURE:</b>	/CHRISTOPHER F. REGAN/
<b>DATE SIGNED:</b>	10/06/2014
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

Application Number: *12/819,604*

Application Country/Region: *U.S.*

Application Title: *GOP-INDEPENDENT DYNAMIC BIT-RATE CONTROLLER*

Assignee: *STMICROELECTRONICS INTERNATIONAL N.V.*

Assignee being a company, corporation, or juristic entity of: *NETHERLANDS*

Assignee's principal place of business:

*WTC SCHIPHOL AIRPORT  
SCHIPHOL BOULEVARD 265, SCHIPHOL AIRPORT  
AMSTERDAM, NETHERLANDS, 1118 BH*

WHEREAS, Assignor *STMICROELECTRONICS PVT LTD.*, an *INDIA* corporation, was assigned certain rights in and to certain inventions, and application for Letters Patent of the United States entitled *GOP-INDEPENDENT DYNAMIC BIT-RATE CONTROLLER*, filed on *June 21, 2010* as U.S. Application No. *12/819,604*; and

WHEREAS, Assignee *STMICROELECTRONICS INTERNATIONAL N.V.*, a *DUTCH* corporation, residing or having a principal place of business at *WTC SCHIPHOL AIRPORT, SCHIPHOL BOULEVARD 265, SCHIPHOL AIRPORT, AMSTERDAM, NETHERLANDS, 1118 BH*, is desirous of acquiring the entire right, title and interest in and to the inventions and the application for Letters Patent of the United States, and in and to any Letters Patent to be obtained therefor and thereon worldwide.

Now, therefore, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, Assignor hereby transfers and assigns to Assignee, its legal representatives, successors, and assigns, its entire right, title, and interest in and to the inventions for which the above identified patent application is made and describes (hereinafter referred to as "the Patent Rights"), together with any and all patents or patent applications anywhere worldwide to which any of the Patent Rights directly or indirectly claims priority, including but not limited to provisional applications thereof, or for which any of the Patent Rights directly or indirectly forms a basis for priority, together with all existing and/or future continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, reissues, reexaminations, extensions, registrations, and foreign counterparts of any item in any of the foregoing, together with the right to sue for and be entitled to any damages, injunctive relief, and any other remedies of any kind for past, current, and future infringement thereof, together with all rights worldwide in the Patent Rights; said entire right, title, and interest, to be held and enjoyed by the Assignee for its own use and enjoyment and for the use and enjoyment of its legal representatives, successors, and assigns to the full end of the term for which the aforementioned rights may be granted anywhere in the world.

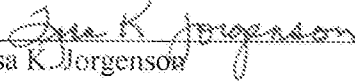
Assignor hereby further agrees to assist in and execute all documents needed now or in the future to perfect, obtain, and secure the aforementioned rights to Assignee, its legal representatives, successors, and assigns, for any jurisdiction in the world. At the expense of Assignee, or its legal representatives, successors, or assigns, Assignor agrees to assist in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to

aid Assignee, its legal representatives, successors, and assigns, to enforce the aforementioned rights in any and all countries and regions worldwide.

Assignor hereby grants Assignee, along with the following Assignee representatives, the power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules for recordation of this document any place in the world: All practitioners at Customer Number 30424.

Date: October 3, 2014

Signature: \_\_\_\_\_

  
Lisa K. Jorgenson  
Attorney-In-Fact  
STMicroelectronics PVT Ltd.