

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	LICENSE	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MARVELL WORLD TRADE LTD.	10/31/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	MARVELL INTERNATIONAL LTD.	
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<b>City:</b>	HAMILTON	
<b>State/Country:</b>	BERMUDA	
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<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14481931
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<b>SIGNATURE:</b>	/Horace Ng/	
<b>DATE SIGNED:</b>	11/03/2014	
<b>Total Attachments: 1</b>		
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THEREFORE, in consideration of the sum of One Dollar (\$1.00) US or equivalent and other good and valuable consideration paid to it, Licensor hereby exclusively licenses worldwide and in perpetuity to the Licensee the entire right and interest in and to the Patent Application identified below:

<u>Marvell International Ltd. Case No.</u>	<u>U.S. Serial No.</u>	<u>U.S. Filing Date</u>	<u>Title</u>
MP5446	14/481,931	September 10, 2014	ESTIMATING DOPPLER SHIFT USING PREDEFINED AUTOCORRELATION VECTORS
MP5446PR	61/876,035	September 10, 2013	LTE DOPPLER ESTIMATOR

IN WITNESS WHEREOF, executed by the Licensor's undersigned representative on the date following the undersigned's name.

MARVELL WORLD TRADE LTD.  
By:   
Steven Parker

MARVELL INTERNATIONAL LTD.  
By:   
Sherman Taylor

Title: Director

Title: General Manager

Date: October 31, 2014

Date: 30 October 2014