

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	VINOD K. CHOYI	09/02/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	INTERDIGITAL PATENT HOLDINGS, INC.	
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<b>State/Country:</b>	DELAWARE	
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<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14441577
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	100858000838/11500US02	
<b>NAME OF SUBMITTER:</b>	MARYANN DEVINE	
<b>SIGNATURE:</b>	/MARYANN DEVINE/	
<b>DATE SIGNED:</b>	06/08/2016	
<b>Total Attachments: 4</b>		
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ASSIGNMENT

WHEREAS:

1.     Andreas Leicher  
       Heidestr. 131  
       Frankfurt, 60385  
       Federal Republic of Germany
2.     Vinod K. Choyi  
       1201 Minuteman Lane  
       Norristown, PA 19403

hereinafter referred to as the ASSIGNORS, are joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Application No. 14/441,577, filed May 8, 2015 entitled **IDENTITY MANAGEMENT WITH GENERIC BOOTSTRAPPING ARCHITECTURE** and

WHEREAS, InterDigital Patent Holdings, Inc., hereinafter referred to as the ASSIGNEE, of 200 Bellevue Parkway, Suite 300, Wilmington, Delaware 19809-3727, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE, our entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including my full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said application or any continuations, divisions, or renewals of or substitutes for said application. We further assign to and authorize said ASSIGNEE, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully

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and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as ASSIGNEE of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

DOCKET NO.: 11500US02/100858.000838

.....  
Date

.....  
Andreas Leicher

SIGNED at

.....  
(City and State or Country)

STATEMENT OF WITNESS: I, .....

.....  
Name of Witness

whose full address is:

.....  
Address of Witness

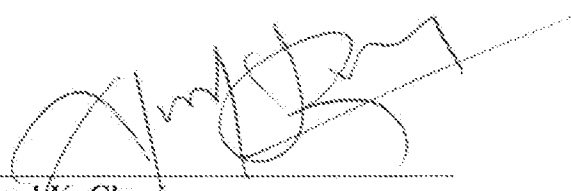
was personally present and did see Andreas Leicher execute this assignment on the \_\_\_\_\_ day  
of \_\_\_\_\_, 2015, and such assignor is personally known to me to be the person  
described herein.

.....  
Signature of Witness

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2-SEP-2015

Date

  
Vinod K. Choyi

781 Third Ave, King of Prussia, PA 19406 USA

SIGNED at

\_\_\_\_\_  
(City and State or Country)

STATEMENT OF WITNESS: I, William MacRae  
Name of Witness

781 Third Ave, King of Prussia, PA 19406 USA

whose full address is:

\_\_\_\_\_  
Address of Witness

was personally present and did see Vinod K. Choyi execute this assignment on the 2<sup>nd</sup> day of September, 2015, and such assignor is personally known to me to be the person described herein.

William MacRae  
Signature of Witness