PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3840178

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL MARINIER	03/24/2016
GHYSLAIN PELLETIER	03/24/2016
PATRICK J. TOOHER	03/24/2016
DIANA PANI	03/24/2016

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Street Address:	200 BELLEVUE PARKWAY
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State/Country:	DELAWARE
Postal Code:	19809

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14782023

CORRESPONDENCE DATA

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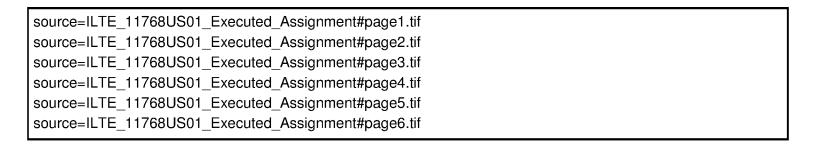
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SIGNATURE:	/Tara M. Fromm/
DATE SIGNED:	04/21/2016
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Total Attachments: 6

PATENT REEL: 038341 FRAME: 0510



PATENT REEL: 038341 FRAME: 0511

ASSIGNMENT

WHEREAS;

- Paul Marinier
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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.14/782,023, filed April 3, 2014, entitled CELL DETECTION, IDENTIFICATION, AND MEASUREMENTS FOR SMALL CELL DEPLOYMENTS; and

WHEREAS, InterDigital Patent Holdings, Inc., hereinafter referred to as the ASSIGNEE, of 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809, 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 our 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 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.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

<u>(Na(ch)</u>	13016 (Dush		
Date:	Pa	ul Marinier		
Signed at	(City and Country)	100, bc	<u> Canada</u>	
•	(City and Country)	· ·		
STATEMENT OF	WITNESS: I,	Bo	sina lazzara	
whose full address	is:	1000 She-	ne of Witness Brooke St. West, 10th Placy CO Coneda HSA 304	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ss of Witness	
was personally pre	sent and did see <u>Paul</u> , 20 <u>\</u> √and such As	Marinier execute the seignor is personally k	his Assignment on the \(\frac{\int}{2}\) day chown to me to be the person describ	o) ec
		Signatüre	of Witness	ν.

	1.4H====================================
<u> </u>	Ghyslain Pelletier
Signed at(City and Cou	Monked DC Caret
Grande and comm	y
STATEMENT OF WITNESS:	
whose full address is:	Name of Witness 1000 Shadorooko St. Mark, 1000 Floor 1511, CO. Cunada MJA 2014
_	Address of Witness
was personally present and did so the second	ee <u>Ghyslain Pelletier</u> execute this Assignment on the <u>Reserved</u> day of I such Assignor is personally known to me to be the person described
	Signature of Witness
	Signature of Witness

Signed at	Mannel De Consul
***************************************	nd Country)
STATEMENT OF WITT	NESS: 1, Down Of Witness
whose full address is:	
was personally present an	Address of Witness distribution of the $\frac{24}{2}$ day of $\frac{24}{2}$ day of $\frac{24}{2}$ and such Assignor is personally known to me to be the person described

Date	Diana Pani
Signed at	Montreal Or Caroda
(City and Co	ntry)
STATEMENT OF WITNESS	1. Bonno 622ARA
whose full address is:	Name of Witness  1000 Short Color Co
***************************************	Address of Witness
was personally present and di	see <u>Diana Pani</u> execute this Assignment on the Assignor is personally known to me to be the person described
	Signature of Witness

Page 6 of 6