## 505507255 06/04/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5554059

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
CASIMIR JOHAN CRAWLEY				10/29/2015	
RECEIVING PARTY DA	TA				
Name:	THOMSON LICENSING				
Street Address:	1-5, RUEJEANNE D'ARC				
City:	ISSY-LES-MOULINEAUX				
State/Country:	FRANCE				
Postal Code:	92130				
Application Number:	1	5528967			
Property Type		Number			
Application Number:	1	5528967			
Application Number:	1	5528967			
CORRESPONDENCE		5528967			
CORRESPONDENCE [ Fax Number:	ΟΑΤΑ				
CORRESPONDENCE I Fax Number: <i>Correspondence will b</i>	DATA	the e-mail address first; if tha			
CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i>	DATA De sent to t provided;				
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone:	DATA be sent to t provided; 6	the e-mail address first; if tha if that is unsuccessful, it will			
Correspondence will b using a fax number, if	DATA be sent to t provided; 6 b	the e-mail address first; if tha if that is unsuccessful, it will 093758214	be sent via L		
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name:	DATA be sent to t provided; 6 b B	the e-mail address first; if tha if that is unsuccessful, it will 093758214 rian.pritchett@interdigital.com	be sent via L		
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	DATA be sent to t provided; 6 b B 4	the e-mail address first; if tha if that is unsuccessful, it will 093758214 rian.pritchett@interdigital.com BRIAN J, DORINI, INTERDIGIT/	<b>be sent via L</b>		
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA pe sent to t provided; 6 b 8 4 P	the e-mail address first; if tha if that is unsuccessful, it will 093758214 rian.pritchett@interdigital.com RIAN J, DORINI, INTERDIGIT/ RESEARCH WAY, FLOOR 3	<b>be sent via L</b>		
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA pe sent to t provided; 6 b 8 4 P	the e-mail address first; if that if that is unsuccessful, it will 093758214 rian.pritchett@interdigital.com RIAN J, DORINI, INTERDIGIT/ RESEARCH WAY, FLOOR 3 RINCETON, NEW JERSEY 08	<b>be sent via L</b>		
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	DATA pe sent to t provided; 6 b 8 4 P	the e-mail address first; if that if that is unsuccessful, it will 093758214 rian.pritchett@interdigital.com BRIAN J, DORINI, INTERDIGIT/ RESEARCH WAY, FLOOR 3 PRINCETON, NEW JERSEY 08 PU140168	<b>be sent via L</b>		
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER:	DATA pe sent to t provided; 6 b 8 4 P	the e-mail address first; if that if that is unsuccessful, it will 093758214 rian.pritchett@interdigital.com BRIAN J, DORINI, INTERDIGIT/ RESEARCH WAY, FLOOR 3 PRINCETON, NEW JERSEY 08 PU140168 JEROME G SCHAEFER	<b>be sent via L</b>		

As a below named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

## METHOD AND APPARATUS FOR WLAN DEVICE PAIRING

the specification of which was filed on October 15, 2015 as Application Serial No. PCT/US15/55740 and was amended on , or, if not identified here by filing date and serial number, is attached hereto.

The above-identified application was made or authorized to be made by me.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-inpart applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under 18 USC 1001.

## ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT

For valuable consideration received, I hereby sell, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with Thomson Licensing, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Indianap Date Signed at Inventor **Casimir Johan CRAWLEY** Name Signature in Full – No Initials) Post Office 13471 Winamac Court, Carmel, IN 46032 US Addresss MARTIN VINCENT L (Type or Print) 1<sup>st</sup> Witness (Signature in BRIAN LLOYD ORAGEN 2<sup>nd</sup> Witness (Signature in Full - No Initials)

1

PATENT REEL: 049360 FRAME: 0393

**RECORDED: 06/04/2019**