503168800 02/06/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3215415

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	ΑΤΑ				
		Name	Execution Date		
SHIN HORNG WONG			02/03/2015		
MATHEW BAKER			02/03/2015		
RECEIVING PARTY D	ΑΤΑ				
Name:	ALCATE	EL LUCENT			
Street Address:	148/152	ROUTE DE LA REINE			
City:	BOULO	GNE-BILLANCOURT			
State/Country:	FRANC	E			
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PROPERTY NUMBERS	S Total: 1				
Property Type		Number			
Application Number: 145					
Application number:		14587149			
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CORRESPONDENCE		908)582-3850			
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ASSIGNMENT AND AGREEMENT

For value received, we. Shin Horng WONG, of Chippenham, Wilt, UK, Matthew BAKER, of Canterbury, Kent, UK, hereby sell, assign and transfer to Alcatel Lucent, a corporation of France, having an office at 148/152 Route De La Reine, 92100 Boulogne-Billancourt, France, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to Enhanced Physical Downlink Control Channel User Equipment Specific Search Space Subband Hopping For Machine Type Communication Device described in an application for Letters Patent of the United States, Serial No. 14/587149, filed 31-Dec-2014, which claims priority of United States Provisional Serial No.62/077147 filed November 7, 2014, and all the rights and privileges in said applications and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Alcatel Lucent the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the applications aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Alcatel Lucent to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any applications for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Alcatel Lucent to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Alcatel Lucent in the United States and in all countries foreign to the United States, or to such nominees as Alcatel Lucent may designate.

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We agree that, when requested, we shall, without charge to Alcatel Lucent but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Inventor:	Shin Horng WONG
Signature	<u>,</u>

____ Date: <u>3 66 200</u>

Witness: <u>Machany</u> Date: <u>3</u> Fab 2005

Inventor: Matthew BAKER Signature:				
	Witness:	<u>.]]/</u>		
	Date:	<u>03 F76 2415</u>		

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