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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
NICHOLAS HERRIOT				11/11/2013	
ASHLEY MILLS				02/04/2014	
DAVID ROBERT LISTER	4			11/11/2013	
RECEIVING PARTY DA	ТА				
Name:	VODAF	ONE IP LICENSING LIMIT	ΓED		
Street Address:	VODAF	ONE HOUSE			
Internal Address:	THE CO	ONNECTION			
City:	NEWB	JRY, BERKSHIRE			
State/Country:	UNITE) KINGDOM			
Postal Code:	RG14 2	FN			
	Total: 1				
PROPERTY NUMBERS	Total: 1				
Property Type		Number			
Property Type Application Number:		Number			
Property Type Application Number:		Number 13886089			
Application Number:	ΑΤΑ				
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA e sent to	13886089 (801)328-1707 the e-mail address first;			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p	ATA e sent to provideo	13886089 (801)328-1707 <i>the e-mail address first;</i> <i>; if that is unsuccessful,</i>			
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Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	ATA e sent to provideo	(801)328-1707 <i>the e-mail address first;</i> <i>; if that is unsuccessful,</i> vrobinson@wnlaw.com WORKMAN NYDEGGER 60 EAST SOUTH TEMPLE SUITE 1000 SALT LAKE CITY, UTAH 8 17260.122	<i>it will be sent</i>	via US Mail.	
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NUME NAME OF SUBMITTER:	ATA e sent to provideo	(801)328-1707 <i>the e-mail address first;</i> <i>; if that is unsuccessful,</i> vrobinson@wnlaw.com WORKMAN NYDEGGER 60 EAST SOUTH TEMPLE SUITE 1000 SALT LAKE CITY, UTAH 8 17260.122 SHANE K. JENSEN	<i>it will be sent</i>	via US Mail.	

source=17260-122_Assignment-Declaration-David-Nicholas#page2.tif source=17260-122_Assignment-Declaration-David-Nicholas#page3.tif source=17260-122_Assignment-Declaration-Ashley#page1.tif source=17260-122_Assignment-Declaration-Ashley#page2.tif

COMBINED DECLARATION AND ASSIGNMENT

DECLARATION

TITLE OF APPLICATION: TELECOMMUNICATIONS SYSTEM AND METHOD

As a below named inventor, I hereby declare that:

This declaration and assignment is directed to:

United States Application No. 13/886,089, filed on May 2, 2013

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

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claim(s). I believe that I am the original inventor or an original joint inventor of one or more claimed inventions in the above-identified application.

I hereby state that I am aware of the duty to disclose all information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part 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 acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

I, as Assignor, am desirous to sell, assign and transfer the entire right, title and interest in and to one or more inventions disclosed in the above-identified application, the above-identified application and any and all letters patent which may be granted for the one or more inventions in the United States of America and its territorial possessions and in any and all foreign countries.

Vodafone IP Licensing Limited ("Assignee"), a corporation of the Country of Great Britain having a place of business at Vodafone House, The Connection, Newbury, Berkshire, RG14 2FN, United Kingdom, is desirous of acquiring the entire right, title and interest in and to the one or more inventions, the above-identified application, and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

In exchange for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign and transfer unto the Assignce, the entire right, title and interest in and to the one or more inventions, the above-identified application, any earlier filed provisional applications to which the above-identified application claims priority including any inventions

> Docket No. 17260 122 Page 1

disclosed therein and the right to claim priority thereto, and any and all letters patent which may be granted for the one or more inventions in the United States of America and its territorial possessions and in any and all foreign countries, and any and all divisions, reissues, continuations, continuationin-parts, and substitutes thereof, including the right to file foreign applications directly in the name of Assignee and to claim priority rights deriving from the above-identified application to which the foreign applications are entitled by virtue of international convention, treaty or otherwise, the one or more inventions, the above-identified application and all letters patent on the one or more inventions to be held and enjoyed by Assignee and its successors and assigns for their use and benefit as fully and entirely as the same would have been held and enjoyed by myself had this assignment, transfer and sale not been made.

I hereby authorize and request the Director of the United States Patent and Trademark Office to issue all letters patent on the inventions to Assignee.

I hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

I agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on the one or more inventions, for litigation regarding the letters patent, or for the purpose of protecting title to the one or more inventions or letters patent therefor.

Legal Name of Inventor 1

Nicholas		HERRIOT	
(GIVEN NAME)	(MIDDIA INITIAL OR NAME)	FAMILY (OR LAST NAME)	
Inventor's signature:			
Date: 11 NOV	_2013		
Witness' signature:	<u>Smar No</u>		
Date: 11 NOV	_,201		

Dockst No. 17260.122 Page 2

Legal Name of Inventor 1

David	ROBERT	LISTER	
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)	
Inventor's signature:	s-hat		
Date: 11th November	2013		
Witness' signature:	Smarlel	_ (SIMOJ PIKE)	
Date: 1NOV ,	201 <u>3</u>		

Docket No. 17250.122 Page 3

UNITED STATES PATENT

COMBINED DECLARATION AND ASSIGNMENT

DECLARATION

TITLE OF APPLICATION: TELECOMMUNICATIONS SYSTEM AND METHOD

As a below named inventor, I hereby declare that:

This declaration and assignment is directed to:

United States Application No. 13/886,089, filed on May 2, 2013

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

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Vodafone IP Licensing Limited ("Assignee"), a corporation of the Country of Great Britain having a place of business at Vodafone House. The Connection, Newbury, Berkshire, RG14 2FN, United Kingdom, is desirous of acquiring the entire right, title and interest in and to the one or more inventions, the above-identified application, and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

In exchange for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign and transfer unto the Assignee, the entire right, title and interest in and to the one or more inventions, the above-identified application, any earlier filed provisional applications to which the above-identified application claims priority including any inventions disclosed therein and the right to claim priority thereto, and any and all letters patent which may be granted for the one or more inventions in the United States of America and its

> Docket Nrs. 17360,122 Page 1

territorial possessions and in any and all foreign countries, and any and all divisions, reissnes, continuations, continuation-in-parts, and substitutes thereof, including the right to file foreign applications directly in the name of Assignee and to claim priority rights deriving from the above-identified application to which the foreign applications are entitled by virtue of international convention, treaty or otherwise, the one or more inventions, the above-identified application and all letters patent on the one or more inventions to be held and enjoyed by Assignee and its successors and assigns for their use and benefit as fully and entirely as the same would have been held and enjoyed by myself had this assignment, transfer and sale not been made.

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I hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

I agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on the one or more inventions, for litigation regarding the letters patent, or for the purpose of protecting title to the one or more inventions or letters patent therefor.

Legal Name of Inventor 1	Legal	Name	of Inventor	1
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Ashley	MILLS
(GIVEN NAME) (MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
Inventor's signature: <u>AAMMA</u>	
Date: $\frac{\partial 4}{\partial 2}$, 2014	·······
Witness' signature:	
Date: <u>4</u> <u>2</u> , 201 <u>4</u>	