PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5274451

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PHILLIP CARTER	10/30/2018
OSCAR GALLEGO GOMEZ	03/17/2016
JAKUB NOWICKI	03/17/2016

RECEIVING PARTY DATA

Name:	VODAFONE IP LICENSING LIMITED	
Street Address:	THE CONNECTION	
City:	NEWBURY, BERKSHIRE	
State/Country:	UNITED KINGDOM	
Postal Code:	RGN14 2FN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15004701

CORRESPONDENCE DATA

Fax Number: (801)328-1707

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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Correspondent Name: WORKMAN NYDEGGER Address Line 1: 60 E. SOUTH TEMPLE

Address Line 2: **SUITE 1000**

SALT LAKE CITY, UTAH 84111 Address Line 4:

ATTORNEY DOCKET NUMBER:	17260.181
NAME OF SUBMITTER:	SHANE K. JENSEN
SIGNATURE:	/Shane K. Jensen/
DATE SIGNED:	12/10/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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UNITED STATES PATENT

Form US

COMBINED DECLARATION and ASSIGNMENT (Utility, Design, National Stage of PCT)

TYPLE OF INVENTION: TELECOMMUNICATIONS ROUTING SYSTEM

As a below named inventor, I hereby declare that:

SPECIFICATION IDENTIFICATION

This declaration and assignment is directed to:

		(complete ((a), (b), or (c))	
(a)		The attached application (Unite	d States Application No.	
		filed on);	
(b)	[X]	Previously filed United States / 2016; or	Application No. 15/004,701, filed (on January 22.
(c)		PCT International Application	Ne.	
		filed on	(nationalized as United States A	pplication No
			iled on	λ,

I hereby authorize the patent attorneys and/or patent agents of Workman Nydegger to insert the above Application No(s), and filing date(s) when known.

DECLARATION AND ACKNOWLEDGEMENT

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

I believe that I am the original inventor or an original joint inventor of a claimed invention is the above-identified application.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claim(s).

Lacknowledge 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 besset No. 17260 [18]

became available between the filing date of the prior application and the national or PCT

international filing date of the communication-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

The Assignee, Vodafime IP Licensing Limited, a corporation of the Country of Great Britain and having a principal place of business at The Connection, Newbury, Berkshire, United Kingdom,

RGN14 2FN, desires to secure the entire right, title and interest in the above-identified

application and in the invention disclosed therein.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to me by

the Assignee, the receipt and sufficiency of which is hereby acknowledged, I HERERY ASSIGN

TO THE ASSIGNEE:

The entire right, title and interest in the above-identified application and in the invention disclosed therein and in all divisions, continuations and continuations-in-part of said application and in all corresponding applications filed in countries foreign to the United States and in all patents issuing thereon in the United States

and foreign countries and in all reissues or extensions of patents granted thereon.

The right to file foreign patent applications on said invention in its own name,

wherever such right may be legally exercised, including the right to claim the priority to or the benefit of the above-identified application including under all

applicable treaties and conventions.

I hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignce as the owner of the entire interest, for the sole use and behoof of the said Assignce, its successors, assigns and legal

representatives.

I hereby agree, without further consideration and without expense, to sign all lawful papers and

to perform all other lawful acts which the Assignee may request of me to make this Assignment

fully effective, including, by way of example but not of limitation, the following:

Oxidat Co. 17269-181

I hereby agree, without further consideration and without expense, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of me to make this Assignment fully effective, including, by way of example but not of limitation, the following:



Prompt execution of all original, divisional, continuation, continuation-in-part, substitute, reissue, and other United States and foreign patent applications on the invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of my ability in: (1) proceedings relating to nullification, reissue, extension, post grant, inter partes, derivation, supplemental examination, and infringement involving the invention; (2) execution of all lawful documents involving the invention; and (3) the production of evidence involving the invention.

This assignment and agreement shall be binding upon my heirs and legal representatives.

SIGNATURE(S)

Full name of	sole or first invent	for	
Pl	ullip		Carter
GWE	Y NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
Signature	1. learn	Date	October 30, 2018

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Full name of secon	d joint inventor, i	f any	
Oscar			Gallego Gomez
(GIVEN NAME	5 53	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
Signature	1/2/400	Date 17	6 March 2016

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Full name	of third joint inv	entor, if any		
	Jakub			Nowicki
(GR)	VEN NAME)	(MI DOLE IN	ITTIAL OF NAME)	FAMILY (OR LAST MAME)
Signature	SAL	Now U:		\$ <u> </u>
5595036)				

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PATENT REEL: 048962 FRAME: 0506

RECORDED: 12/10/2018