

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4834439

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARK IAN CARTER	12/15/2017
CHARLES N. ALLGROVE	12/15/2017
RECEIVING PARTY DATA	
Name:	BSG WIRELESS LIMITED
Street Address:	WASING PAVILION
Internal Address:	WASING LANE
City:	ALDERMASTON, BERKSHIRE
State/Country:	UNITED KINGDOM
Postal Code:	RG7 4LY
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15842706
CORRESPONDENCE DATA	
Fax Number:	(212)294-4700
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	2122946635
Email:	dkumar@winston.com
Correspondent Name:	WINSTON & STRAWN LLP - PEJMAN SHARIFI
Address Line 1:	1700 K STREET N.W.
Address Line 2:	PATENT DEPARTMENT
Address Line 4:	WASHINGTON, D.C. 200063817
ATTORNEY DOCKET NUMBER:	87006-4000
NAME OF SUBMITTER:	PEJMAN SHARIFI
SIGNATURE:	/Pejman Sharifi/
DATE SIGNED:	02/21/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4	
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DECLARATION OF INVENTORSHIP AND ASSIGNMENT

WHEREAS, **Mark Ian CARTER** and **Charles N. ALLGROVE**, the **ASSIGNOR** or each of which is an **ASSIGNOR**, hereby declares that:

(a) I have reviewed and understand the contents of the application described herein, including the claims. I believe that I am the original inventor or an original joint inventor of an invention claimed in **SYSTEMS AND METHODS FOR BUILDING AND UPDATING A WIRELESS NODE DATABASE SERVICE**, for which an application for a Patent of the United States, identified by Winston & Strawn LLP Docket No. **87006-4000**, filed 12/14/2017 as Application No. 15/842,706, which claims the benefit of Provisional Application No. 62/435,557, filed on December 16, 2016.

(b) This application was made or authorized to be made by me.

(c) My legal name, citizenship and personal or employment mailing address appears below in the box which contains my signature.

(d) I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

(e) If applicable, I hereby grant the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO) and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application as filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application. Also, in accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

(f) Any claim for priority to an earlier filed US or foreign application appears in an Application Data Sheet which is or will be submitted into the file of the above-identified application.

(g) I acknowledge that any willful false statement made herein is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, **BSG WIRELESS LIMITED**, having a place of business at Wasing Pavilion, Wasing Lane, Aldermaston, Berkshire, United Kingdom RG7 4LY, ASSIGNEE, has

NY:1834006.1

obtained by employment or other agreement, or is desirous of obtaining each inventor's entire right, title and interest in, to and under the said invention, the said application and corresponding applications worldwide.

NOW, THEREFORE, in exchange for good and valuable consideration to each inventor, the receipt and sufficiency of which is hereby acknowledged, each ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, his or her entire, worldwide right, title and interest in, to and under the invention, including any United States provisional or non-provisional application embodying the invention or any other United States application claiming priority to a provisional application under 35 U.S.C. § 119(e) or converted therefrom, or to any application claiming the benefit of a non-provisional application under 35 U.S.C. § 120, including all divisions, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and, if applicable, all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by the ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this sale and assignment not been made;

And each ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and, if applicable, any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

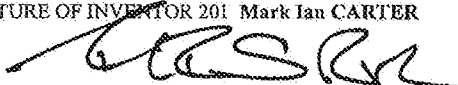
And each ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest previously or herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

And each ASSIGNOR hereby further covenants and agrees that he or she will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE or its successors, legal

representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

And each ASSIGNOR hereby authorizes the ASSIGNEE or its patent attorneys to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

In witness whereof, each inventor has affixed his or her signature.

2 0 1	LEGAL NAME OF JOINT INVENTOR	FAMILY NAME OR SURNAME Mark	GIVEN FIRST NAME Mark	GIVEN MIDDLE NAME Ian
	RESIDENCE & CITIZENSHIP OF INVENTOR	CITY Aldermaston, Berkshire	STATE OR COUNTRY United Kingdom	COUNTRY OF CITIZENSHIP Great Britain
	MAILING OR EMPLOYMENT ADDRESS OF INVENTOR	STREET 7 Church Road,		
		CITY Aldermaston, Berkshire	STATE OR COUNTRY United Kingdom	POSTAL CODE RG7 4LT
SIGNATURE OF INVENTOR 201 Mark Ian CARTER 				DATE 12/15/2017

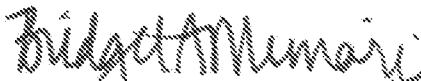
☒ Additional Inventors are being named on the following (1) page of Supplemental Sheet(s) attached hereto.

THE FOREGOING ASSIGNMENT IS AGREED TO AND ACCEPTED BY:

BSG WIRELESS LIMITED

12-15-2017

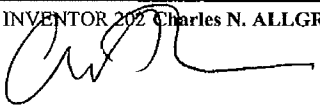
Date



Name: **Bridget A. Mimari**

Position or Title: **General Counsel and Officer**

SUPPLEMENTAL SHEET FOR DECLARATION

2 0 2	LEGAL NAME OF JOINT INVENTOR	FAMILY NAME OR SURNAME ALLGROVE	GIVEN FIRST NAME Charles	GIVEN MIDDLE NAME N.
	RESIDENCE & CITIZENSHIP OF INVENTOR	CITY Carlisle, Cumbria	STATE OR COUNTRY United Kingdom	COUNTRY OF CITIZENSHIP Great Britain
	MAILING OR EMPLOYMENT ADDRESS OF INVENTOR	STREET 94 Upperby Road		
		CITY Carlisle, Cumbria	STATE OR COUNTRY United Kingdom	POSTAL CODE CA2 4JL
SIGNATURE OF INVENTOR 202 Charles N. ALLGROVE 				DATE 12/15/2017
2 0 3	LEGAL NAME OF JOINT INVENTOR	FAMILY NAME OR SURNAME	GIVEN FIRST NAME	GIVEN MIDDLE NAME
	RESIDENCE & CITIZENSHIP OF INVENTOR	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
	MAILING OR EMPLOYMENT ADDRESS OF INVENTOR	STREET		
		CITY	STATE OR COUNTRY	POSTAL CODE
SIGNATURE OF INVENTOR 203				DATE