

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5456397

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ARIESO LIMITED	08/26/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JDSU UK LIMITED
<b>Street Address:</b>	SPINNAKER HOUSE, LIME TREE WAY
<b>Internal Address:</b>	HAMPSHIRE INT BUSINESS PARK, CHINEHAM
<b>City:</b>	BASINGSTOKE, HAMPSHIRE RG24 8GG
<b>State/Country:</b>	UNITED KINGDOM
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16237354
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(571)432-0808
<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>	
<b>Phone:</b>	5714320800
<b>Email:</b>	jrosenfeld@harrityllp.com
<b>Correspondent Name:</b>	HARRITY & HARRITY, LLP
<b>Address Line 1:</b>	11350 RANDOM HILLS RD.
<b>Address Line 2:</b>	SUITE 600
<b>Address Line 4:</b>	FAIRFAX, VIRGINIA 22030
<b>ATTORNEY DOCKET NUMBER:</b>	0099-0003C1D1
<b>NAME OF SUBMITTER:</b>	RACHEL ALLEN
<b>SIGNATURE:</b>	/Rachel Allen/
<b>DATE SIGNED:</b>	04/03/2019
<b>Total Attachments: 10</b>	
source=0099-0003C1D1_0VIAV-Assignment from Areiso to JDSU UK_4-3-19#page1.tif	
source=0099-0003C1D1_0VIAV-Assignment from Areiso to JDSU UK_4-3-19#page2.tif	
source=0099-0003C1D1_0VIAV-Assignment from Areiso to JDSU UK_4-3-19#page3.tif	
source=0099-0003C1D1_0VIAV-Assignment from Areiso to JDSU UK_4-3-19#page4.tif	
source=0099-0003C1D1_0VIAV-Assignment from Areiso to JDSU UK_4-3-19#page5.tif	

source=0099-0003C1D1\_0VIAV-Assignment from Areiso to JDSU UK\_4-3-19#page6.tif  
source=0099-0003C1D1\_0VIAV-Assignment from Areiso to JDSU UK\_4-3-19#page7.tif  
source=0099-0003C1D1\_0VIAV-Assignment from Areiso to JDSU UK\_4-3-19#page8.tif  
source=0099-0003C1D1\_0VIAV-Assignment from Areiso to JDSU UK\_4-3-19#page9.tif  
source=0099-0003C1D1\_0VIAV-Assignment from Areiso to JDSU UK\_4-3-19#page10.tif

**DATED 26 AUGUST 2013**

**(1) ARIESO LIMITED**

**- and -**

**(2) JDSU UK LIMITED**

**PATENT ASSIGNMENT**

CONTENTS

1. ASSIGNMENT ..... 1  
2. FURTHER ASSURANCE ..... 1  
3. COUNTERPARTS ..... 2  
4. GOVERNING LAW AND JURISDICTION ..... 2  
SCHEDULE: PATENTS AND PATENT APPLICATIONS ..... 3  
    Part 1: Patents ..... 3  
    Part 2: Patent Applications ..... 6

THIS AGREEMENT is made on 26 August 2013

**BETWEEN:**

- (1) **ARIESO LIMITED** a company incorporated in England and Wales whose registered number is 4515167 and whose registered office is at Astor House, Newbury Business Park, London Road, Newbury, Berkshire RG14 2PZ ("**Assignor**"); and
- (2) **JDSU UK LIMITED** a company incorporated in England and Wales whose registered number is 00887400 and whose registered office is at Spinnaker House, Lime Tree Way, Hampshire Int Business Park, Chineham, Basingstoke, Hampshire RG24 8GG ("**Assignee**").

**BACKGROUND:**

- A The Assignor is the registered owner of the patents set out in part 1 of the schedule to this Assignment (each a "**Patent**" and together the "**Patents**").
- B The Assignor has submitted the patent applications set out in part 2 of the schedule to this Assignment (each a "**Patent Application**" and together the "**Patent Applications**").
- C Pursuant to an agreement ("**Business Transfer Agreement**") dated the same date as this Assignment relating to the sale and purchase of the business and certain assets of Arieso Limited and entered into between the Assignor and the Assignee the Assignor has transferred its business and certain of its assets (including the Patents and the Patent Applications) to the Assignee.
- D The Assignor (the subsidiary of the Assignee) has agreed to assign to the Assignee all its right, title and interest in and to the Patents and the Patent Applications on the terms set out in the Business Transfer Agreement and this assignment ("**Assignment**").

**IT IS AGREED:**

**1. ASSIGNMENT**

Pursuant to this Assignment the Assignor assigns to the Assignee absolutely:

- 1.1 the Patents and the Patent Applications, together with all right, title and interest in and to the Patents and the Patent Applications, and all goodwill and reputation attaching to the Patents and the Patent Applications; and
- 1.2 the right to bring proceedings against any third party in respect of infringement of the Patents and the Patent Applications (whether committed before or after the date of this Assignment) and all rights therein, including the right to claim damages or such other relief as may be available.

**2. FURTHER ASSURANCE**

The Assignor shall at the request and cost of the Assignee do or procure the doing of all such further acts and execute or procure the execution (as a deed or otherwise) of all such documents as may from time to time be necessary to give full effect to this Assignment and to vest the Patents and the Patent Applications in the Assignee.

**3. COUNTERPARTS**

This Assignment may be executed in any number of counterparts, and by the parties on separate counterparts, but shall not be effective until each party has executed at least one counterpart. Each counterpart shall constitute an original of this Assignment, but all the counterparts shall together constitute one and the same Assignment.

**4. GOVERNING LAW AND JURISDICTION**

4.1 This Assignment and any matter arising from or in connection with it shall be governed by and construed in accordance with English law.

4.2 Each party irrevocably agrees to submit to the exclusive jurisdiction of the English courts over any claim or matter arising from or in connection with this Assignment.

**IN WITNESS** whereof the parties have executed this Assignment as a deed on the date first stated above.

**SCHEDULE: PATENTS AND PATENT APPLICATIONS**

**Part 1: Patents**

<b>Country</b>	<b>Application No:</b>	<b>Publication No:</b>	<b>Patent No:</b>	<b>Title:</b>
US	12/643,192	2011-0059735	8,374,596	METHOD AND APPARATUS FOR DERIVING PATHLOSS ESTIMATION VALUES
EP	10702991.0	2387860	2387860	WIRELESS COMMUNICATION NETWORK
DE	10702991.0	2387860	602010006291.0	WIRELESS COMMUNICATION NETWORK
GB	10702991.0	2387860	2387860	WIRELESS COMMUNICATION NETWORK
FR	10702991.0	2387860	2387860	WIRELESS COMMUNICATION NETWORK
US	13/279,699	US-2013-0102325-A1	8457684	METHOD AND APPARATUS FOR DETERMINING THE LOCATION OF A FEMTO CELL
GB	1119396.8	2487106	2487106	MODULAR DATA PROCESSING SYSTEM FOR MOBILE COMMUNICATIONS SYSTEM CALL DATA
GB	1000804.3	2473514		METHOD AND APPARATUS FOR DERIVING PATHLOSS ESTIMATION VALUES
EP	10702817.7	2389779		ASYNCHRONOUS WIRELESS COMMUNICATION SYSTEM
US	13/144,130	US-2011-0319093		GEO-LOCATION IN A WIRELESS COMMUNICATION NETWORK
CN	201080044883.6	102640528		METHOD AND APPARATUS FOR DERIVING PATHLOSS ESTIMATION VALUES
EP	10757581.3	2476276		METHOD AND APPARATUS FOR DERIVING PATHLOSS ESTIMATION VALUES
US	13/729,622	US-2013-01159381		METHOD AND APPARATUS FOR DERIVING PATHLOSS ESTIMATION VALUES
CN	201080013348.4	102440058		ASYNCHRONOUS WIRELESS COMMUNICATION SYSTEM

Country	Application No:	Publication No:	Patent No:	Title:
US	13/145,617	US-2011-0319100		ASYNCHRONOUS WIRELESS COMMUNICATION SYSTEM
EP	13157556.5	2605605		ASYNCHRONOUS WIRELESS COMMUNICATION SYSTEM
CN	201080011874.7	102440043		WIRELESS COMMUNICATION NETWORK
US	13/144,128	US2012/0002563		WIRELESS COMMUNICATION NETWORK
US	13/173,923	2013-0005326		METHOD AND APPARATUS FOR DETERMINING THE IDENTITY OF A FEMTO CELL
US	13/173,950	US-2013-0005327-A1		METHOD AND APPARATUS FOR DERIVING FEMTO CELL TIMING INFORMATION
EP	12192028.4	2592860		GEOLOCATION INFORMATION STORAGE SYSTEM FOR MOBILE COMMUNICATIONS DATA
GB	1119395.0	2496410		GEOLOCATION INFORMATION STORAGE SYSTEM FOR MOBILE COMMUNICATIONS DATA
US	13/293,536	2013-0122925		GEOLOCATION INFORMATION STORAGE SYSTEM FOR MOBILE COMMUNICATIONS DATA
US	13/293,552	2013-0122940		MODULAR DATA PROCESSING SYSTEM FOR MOBILE COMMUNICATIONS SYSTEM CALL DATA
WO	PCT/EP2012/072304	WO2013/068549		MODULAR DATA PROCESSING SYSTEM FOR MOBILE COMMUNICATIONS SYSTEM CALL DATA
GB	1119400.8	2496413		GEOLOCATION DATA ACQUISITION SYSTEM
US	13/293,564	2013-0122926		GEOLOCATION DATA ACQUISITION SYSTEM
GB	1119397.6	2496411		GEOLOCATION DATA ACQUISITION SYSTEM
US	13/293,558	US-2013-0122855-A1		GEOLOCATION DATA ACQUISITION SYSTEM

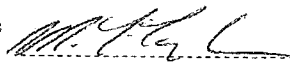


Country	Application No:	Publication No:	Patent No:	Title:
WO	PCT/EP2012/07 2310	WO2013/068553		GEOLOCATION DATA ACQUISITION SYSTEM
EP	13154703.6	2626719		METHOD AND APPARATUS FOR GEOLOCATING A WIRELESS COMMUNICATION UNIT
EP	12195423.4	2602634		SYSTEM AND METHODS OF MOBILE GEOLOCATION
US	13/311,132	2013-0143588		SYSTEM AND METHODS OF MOBILE GEOLOCATION
US	13/310,223	US-2013- 0143585-A1		METHOD & APPARATUS FOR GEOLOCATING A WIRELESS COMMUNICATION UNIT

Part 2: Patent Applications

Country	Application No:	Publication No:	Patent No:	Title:
US	13/925,082	-	-	GEO-LOCATION IN A WIRELESS COMMUNICATION NETWORK
US	13/489,155	-	-	METHOD OF PROCESSING NETWORK CONFIGURATION DATA
EP	13160862.2	-	-	METHOD AND APPARATUS FOR DETERMINING INCORRECT ANTENNA CONFIGURATION WITHIN A CELLULAR COMMUNICATION NETWORK
US	13/447,710	-	-	METHOD AND APPARATUS FOR DETERMINING INCORRECT ANTENNA CONFIGURATION WITHIN A CELLULAR COMMUNICATION NETWORK
US	13/369,598	-	-	METHOD AND APPARATUS FOR GEOLOCATING A WIRELESS COMMUNICATION UNIT
US	13/369,591	-	-	MOBILE GEOLOCATION
WO	PCT/EP2013/052416	-	-	MOBILE GEOLOCATION
US	13/849,245	-	-	METHOD AND APPARATUS FOR MANAGING CALL DATA
US	13/849,262	-	-	METHOD AND APPARATUS FOR MANAGING CALL DATA
US	13/849,279	-	-	METHOD AND APPARATUS FOR MANAGING CALL DATA
US	13/719,166	-	-	MOBILE GEOLOCATION
US	13/719,179	-	-	METHOD AND SYSTEM FOR MOBILE REFERENCE SIGNATURE GENERATION
US	13/719,189	-	-	MOBILE COMMUNICATION SYSTEM

Executed as a deed, but not delivered until the )  
first date specified on page 1, by **ARIESO** )  
**LIMITED** by a director in the presence of a )  
witness: )

Signature 

Name (block capitals) MT TAYLOR  
Director

Witness signature 

Witness name FIONA M POOLE  
(block capitals)

Witness address 3 Cottrell Close  
Hungerford  
RG17 0HF

Executed as a deed, but not delivered until the )  
first date specified on page 1, by **JDSU UK** )  
**LIMITED** by a director in the presence of a )  
witness: )

Signature *M. Taylor*

Name (block capitals) MT TAYLOR  
**Director**

Witness signature *Rona M. Poole*

Witness name RONA M. POOLE  
(block capitals)

Witness address 3 Cottrell Close  
Hungelod  
RG17 0HF