

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4036937

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NUJIRA LIMITED	06/22/2015
RECEIVING PARTY DATA		
Name:	SNAPTRACK, INC.	
Street Address:	5775 MOREHOUSE DRIVE	
City:	SAN DIEGO	
State/Country:	CALIFORNIA	
Postal Code:	92121	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15170217	
CORRESPONDENCE DATA		
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<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>		
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ATTORNEY DOCKET NUMBER:	154363USPC03	
NAME OF SUBMITTER:	RANDOL W. READ	
SIGNATURE:	/Randol W. READ/	
DATE SIGNED:	09/02/2016	
Total Attachments: 8		
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PATENT ASSIGNMENT

THIS PATENT AGREEMENT is effective as of 5 June 2015.

PARTIES

- (1) NUJIRA LIMITED (sometimes also referred to as Nujira Ltd. or Nujira LTD), a limited company incorporated under the laws of England and Wales under company number 4569647, having its registered office at Building 1010, Cambourne Business Park, Cambourne, Cambridge CB23 6DP, United Kingdom (the "ASSIGNOR").and
- (2) SNAPTRACK, INC. a corporation incorporated under the laws of the State of California whose principal place of business is at 5775 Morehouse Drive, San Diego, California, CA 92121, United States (the "ASSIGNEE").

BACKGROUND

- (A) Pursuant to the Asset Purchase Agreement (the "Purchase Agreement") dated 5 June 2015, between ASSIGNOR and ASSIGNEE, ASSIGNOR has agreed to sell, assign, transfer, convey and deliver to ASSIGNEE all of ASSIGNOR's right, title, and interest in, to and under certain assets, including, without limitation (i) the registered patents and patent applications identified in the Exhibit attached hereto (hereinafter the "Exhibit 1"), and all provisional and priority applications relating thereto; (ii) all patents issuing on or from any patent applications identified in the Exhibit 1; (iii) all reissues, reexaminations, extensions, divisionals, renewals, continuations, continuations-in-part and counterparts (whether foreign or domestic) claiming priority to any of the foregoing items in (i) or (ii) above, along with all patents issuing therefrom; and (iv) all inventions and improvements claimed or described in any of the foregoing items (i), (ii) or (iii) (subsections (i), (ii), (iii) and (iv) hereinafter collectively referred to as the "Patent Items"). Notwithstanding any of the foregoing, the Patent Items shall exclude the patent applications identified in the "Exhibit 2" attached hereto, together with (i) any patent issuing on such patent applications; (ii) any reissue, division, re-examination, renewal, extension, continuation, or continuation-in-part to such patent applications; and (iii) any patent or patent application that derives priority from such patent application (hereinafter collectively referred to as the "Excluded Patent Items").
- (B) Pursuant to the Purchase Agreement ASSIGNOR and ASSIGNEE have agreed to enter into this Patent Assignment.

AGREED TERMS

In consideration of the promises and covenants set forth in the Purchase Agreement and for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. ASSIGNOR does hereby sell, assign, transfer, convey and deliver unto ASSIGNEE, its successors, legal representatives and assigns, all right, title and interest throughout the world in, to and under the Patent Items, including without limitation all foreign patents and any and all rights of priority under international conventions, treaties or agreements based on or relating to the Patent Items.
2. ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications, to record ASSIGNEE as the assignee and owner of the Patent Items and to issue all patents for the Patent Items to and in the name of ASSIGNEE, its successors, legal representatives and assigns, as the assignee to the entire interest therein, in accordance with the terms of this Patent Assignment.

3. ASSIGNOR hereby assigns, transfers, conveys and delivers to ASSIGNEE, its successors, legal representatives and assigns, all rights of enforcement, all claims for damages and all remedies arising out of, relating to or resulting from the Patent Items or any violation(s) thereof, whether accrued prior to the date of this Patent Assignment or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement or violation of any of the Patent Items, and all other rights, including common law rights, that ASSIGNOR may have relating to the Patent Items, including but not limited to any ongoing or prospective royalties to which ASSIGNOR may be entitled, or that ASSIGNOR may collect for any infringements of any of the Patent Items or from any settlement or agreement related to the Patent Items arising before or after the date of this Patent Agreement, such rights to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Patent Assignment had not been made.
4. ASSIGNOR hereby represents and warrants that it has full right, power and authority to sell, assign, transfer, convey and deliver all of the subject matter set forth herein, and hereby covenants and agrees that upon the written request of ASSIGNEE and without further compensation, ASSIGNOR shall execute, acknowledge, and deliver all the instruments and documents and shall take all the actions reasonably necessary or required by law to consummate and make fully effective the transaction contemplated by this Patent Assignment and will communicate promptly to ASSIGNEE, its successors, legal representatives and assigns, all facts known to ASSIGNOR respecting the Patent Items, and will testify in any legal proceeding, sign all lawful papers, transfer all file histories, make diligent effort to find or reach every inventor of the Patent Items necessary or appropriate in connection with preparation of any lawful document or proceeding relating to the Patent Items, make reasonable efforts to obtain all necessary or appropriate signed and executed documents relating to the Patent Items from every inventor named in the Patent Items, make all rightful declarations and/or oaths and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce patent protection for the Patent Items on a worldwide basis in all countries and for perfecting, recording, or maintaining the title of ASSIGNEE, and ASSIGNEE'S successors and assigns, in and to each of the Patent Items in the United States and throughout the world. ASSIGNEE further covenants and agrees that it will wholly refrain from challenging the validity, enforceability or scope of the Patent Items, whether through opposition, reexamination and/or court proceedings.
5. If ASSIGNEE is unable for any reason to secure ASSIGNOR'S signature to any document required to file, prosecute, register, or memorialize the assignment of any rights under any Patent Items as provided under this Patent Assignment, ASSIGNOR hereby irrevocably designates and appoints ASSIGNEE and ASSIGNEE'S duly authorized officers and agents as ASSIGNOR'S agents and attorneys-in-fact to act for and on ASSIGNOR'S behalf and instead of ASSIGNOR to take all lawfully permitted acts to further the filing, prosecution, registration, memorialization of assignment, issuance, and enforcement of rights under such Patent Items, all with the same legal force and effect as if executed by ASSIGNOR. The foregoing is deemed a power coupled with an interest and is irrevocable.
6. ASSIGNOR represents and warrants that ASSIGNOR has not sold, assigned, transferred or granted and will not sell, assign, transfer or grant to others either (1) any rights, title or interest in and to any of the Patent Items, or (2) any rights inconsistent with the rights granted herein, including without limitation granting or allowing any lien, security interest or other encumbrance in or to such Patent Items.
7. This Patent Assignment constitutes the entire agreement with respect to its subject matter and supersedes all prior or contemporaneous oral or written agreements concerning such subject matter.
8. No waiver, amendment, or modification of this Patent Assignment shall be effective against the ASSIGNEE, unless in writing executed by a duly authorized representative of the ASSIGNEE.

9. This Patent Assignment and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with the law of England and Wales.
10. Each party irrevocably agrees that the courts of England and Wales shall have exclusive personal jurisdiction to settle any dispute or claim arising out of or in connection with this agreement or its subject matter or formation (including non-contractual disputes or claims), except that in any action seeking to enforce any order or any judgment of such court in England or Wales, such personal jurisdiction shall be nonexclusive. A breach of any of the promises or agreements contained herein will result in irreparable and continuing damage to ASSIGNEE for which there will be no adequate remedy at law, and ASSIGNEE shall be entitled to injunctive relief and/or a decree of specific performance, and such other relief as may be proper.
11. This agreement may be executed in any number of counterparts, each of which when executed shall constitute a duplicate original, but all the counterparts shall together constitute the one agreement.

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IN WITNESS WHEREOF, I hereunto set my hand this 22 day of June, 2015.

NUJIRA LIMITED

By: T. W. HAYNES

Printed Name: T. W. HAYNES

Title: DIRECTOR

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

I, PAUL GITTINS, a Notary Public authorised to practise throughout England and Wales, with an office at 18 PRIORITY STREET, CAMBRIDGE DO HEREBY CERTIFY AND ATTEST:

THAT the signature set and subscribed above is genuine, the same having been this day subscribed thereto in my presence by T. W. HAYNES, whose identity I the Notary attest and who declared to me that he signed the same in his capacity as a Director of Nujira Limited, being for such purpose duly authorised.

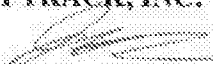
Issued and my signature and seal at Cambridge, England this 22 day of June 2015.

P. Gittins

PAUL GITTINS
NOTARY PUBLIC
18 PRIORITY STREET
CAMBRIDGE CB4 3QH
MY COMMISSION DOES NOT EXPIRE

IN WITNESS WHEREOF, acknowledged and accepted on this 22nd day of June, 2015.

SNAPTRACK, INC.

By: 

Printed Name: David T. Marr

Title: Vice President

**Exhibit 1
Patent Items**

Country	Application Title	App. No.	Filed Date	Patent Number	Publication Number	Issue/Grant Date
GB	Power supply stage for an amplifier	GB0909826.2	2/19/2003	GB2398648	GB2398648	10/11/2005
WO	HIGH EFFICIENCY AMPLIFICATION	PCT/GB2003/04507	10/17/2003		WO2004075398	
CA	HIGH EFFICIENCY AMPLIFICATION	2516706	10/17/2003	2516706		2/15/2011
CN	Radio frequency amplification device, power supply unit and control method thereof	Z00380110183.2	10/17/2003	ZL200380110183.2	CN1759532	5/13/2008
EP	HIGH EFFICIENCY AMPLIFICATION	03753814.7	10/17/2003	EP1597821	EP1597821	11/7/2007
DE	HIGH EFFICIENCY AMPLIFICATION	03753814.7	10/17/2003	EP1597821	68817371.3-08	11/7/2007
FR	HIGH EFFICIENCY AMPLIFICATION	03753814.7	10/17/2003	EP1597821	EP1597821	11/7/2007
JP	HIGH EFFICIENCY AMPLIFICATION	2004-388437	10/17/2003	4609931	2006-514472	10/22/2010
KR	HIGH EFFICIENCY AMPLIFICATION	10-2005-7015435	10/17/2003	10-1126671	10-2005-0116367	3/7/2012
US	HIGH EFFICIENCY AMPLIFICATION	11/183,854	8/19/2005	7,482,869	20060028273	1/27/2009
US	HIGH EFFICIENCY AMPLIFICATION	12/360,727	1/27/2009	8,169,283	20090128238	5/1/2012
US	HIGH EFFICIENCY AMPLIFICATION	13/480,111	4/30/2012	8,749,308	20120212291	6/10/2014
US	High Efficiency Amplification	13/843,127	7/12/2013		20130309513	
US	High Efficiency Amplification	14/264,631	4/29/2014		20140252470	
US	High Efficiency Amplification	14/299,384	6/9/2014		20140285268	
US	High Efficiency Amplification	14/638,387				
GB	TRANSFORMER BASED VOLTAGE SUPPLY	GB0328504.6	12/9/2003	GB2408115	GB2408115	10/3/2006
GB	TRANSFORMER BASED VOLTAGE SUPPLY	GB0618509.6	12/9/2003	GB2426392	GB2426392	5/1/2007
WO	TRANSFORMER BASED VOLTAGE SUPPLY	PCT/GB2004/005124	12/7/2004		WO2005057768	
EP	TRANSFORMER BASED VOLTAGE SUPPLY	04805945.5	12/7/2004	EP1709725	EP1709725	2/6/2012
DE	TRANSFORMER BASED VOLTAGE SUPPLY	602004036436.8	12/7/2004	EP1709725	EP1709725	2/6/2012
FR	TRANSFORMER BASED VOLTAGE SUPPLY	04805945.5	12/7/2004	EP1709725	EP1709725	2/6/2012
SE	TRANSFORMER BASED VOLTAGE SUPPLY	04805945.5	12/7/2004	EP1709725	EP1709725	2/6/2012
JP	TRANSFORMER BASED VOLTAGE SUPPLY	2006-343609	12/7/2004	4932469	2007-514311	2/24/2012
US	TRANSFORMER BASED VOLTAGE SUPPLY	10/596,301	12/7/2004	7,764,060	20070279019	7/27/2010
US	TRANSFORMER BASED VOLTAGE SUPPLY	11/813,740	6/11/2010	8,093,979	20100153483	1/10/2012
GB	Resonance suppression for power amplifier output network	GB0403021.9	2/11/2004	GB2411062	GB2411062	10/30/2007
WO	POWER AMPLIFIER WITH STABILISING NETWORK	PCT/GB2005/000338	2/9/2005		WO2005081399	
EP	POWER AMPLIFIER WITH STABILISING NETWORK	05702475.4	2/9/2005	EP1714381	EP1714381	7/31/2013
DE	POWER AMPLIFIER WITH STABILISING NETWORK	602005040617.4	2/9/2005	EP1714381	EP1714381	7/31/2013
FR	Resonance Suppression	05702475.4	2/9/2005	EP1714382	EP1714382	8/1/2013
JP	POWER AMPLIFIER WITH STABILISING NETWORK	2006-552716	2/9/2005	4926722	2007-522759	2/17/2012
US	POWER AMPLIFIER WITH STABILISING NETWORK	10/597,844	2/9/2005	7,868,698	20070275449	1/11/2011
US	POWER AMPLIFIER WITH STABILISING NETWORK	12/985,938	1/6/2011	8,106,713	20110108391	1/31/2012

JP	POWER AMPLIFIER WITH STABILISING CIRCUIT NETWORK	2011-184880	8/26/2011		2013-259897	
US	POWER AMPLIFIER WITH STABILISING NETWORK	13/361,421	1/30/2013	8,587,379	20120126888	11/19/2013
US	POWER AMPLIFIER WITH STABILISING NETWORK	14/082,968	11/18/2013		20140077881	
US	Resonance Suppression	Not yet filed	2/11/2004	US	Resonance Suppression	Not yet filed
GB	High efficiency variable voltage supply	G80418951.6	8/25/2004			
WO	HIGH EFFICIENCY VARIABLE VOLTAGE SUPPLY	PCT/GB2005/003518	8/25/2005		WO2006021790	
EP	HIGH EFFICIENCY VARIABLE VOLTAGE SUPPLY	05775234.7	8/25/2005		EP1794877	
JP	High Efficiency Variable Voltage Supply	2007-528978	8/25/2005	5174460	2008-511085	1/11/2013
US	High Efficiency Variable Voltage Supply	11/574,318	8/25/2005		20070210771	
US	High Efficiency Variable Voltage Supply	13/189,771	6/27/2011	8,680,916	20120098504	3/25/2014
US	High Efficiency Variable Voltage Supply	14/223,494	3/24/2014		20140203789	
GB	Joint optimisation of supply and bias modulation	G80605472.0	3/17/2006	GB2438457	G80438457	8/16/2011
WO	JOINT OPTIMISATION OF SUPPLY AND BIAS MODULATION	PCT/GB2007/000959	3/19/2007		WO2007107728	
US	JOINT OPTIMISATION OF SUPPLY AND BIAS MODULATION	12/293,313	5/19/2007	8,093,945	20090302941	1/10/2012
US	JOINT OPTIMISATION OF SUPPLY AND BIAS MODULATION	12/558,090	9/11/2008	8,093,946	20100073088	1/10/2012
US	JOINT OPTIMISATION OF SUPPLY AND BIAS MODULATION	13/346,096	1/9/2012	8,981,846	20120105153	3/17/2015
US	JOINT OPTIMISATION OF SUPPLY AND BIAS MODULATION	13/346,427	1/6/2012		20120105150	
US	Joint Optimisation of Supply	14/595,019				
GB	Improved control loop for amplification stage	G80803711.1	2/28/2008	G82457764	G82457764	12/23/2012
WO	IMPROVED CONTROL LOOP FOR AMPLIFICATION STAGE	PCT/EP2009/052411	2/27/2009		WO2009106632	
CN	IMPROVED CONTROL LOOP FOR AMPLIFICATION STAGE	200980106934.0	2/27/2009	ZL200980106934.0	CN101990741	12/17/2014
EP	IMPROVED CONTROL LOOP FOR AMPLIFICATION STAGE	09715989.0	2/27/2009		EP2243005	
JP	IMPROVED CONTROL LOOP FOR AMPLIFICATION STAGE	2010-348131	2/27/2009	5634271	2011-514064	10/24/2014
KR	IMPROVED CONTROL LOOP FOR AMPLIFICATION STAGE	10-2010-7521278	2/27/2009		10-2010-0116686	
US	Control Loop for Amplification Stage	13/919,535	2/27/2009	8,836,432	20130089990	9/16/2014
US	Control Loop for Amplification Stage	14/881,447	9/9/2014		20150002233	
GB	Improved filter for switched mode power supply	G80803820.0	2/29/2006	G82457840	G82457840	4/2/2013
WO	IMPROVED FILTER FOR SWITCHED MODE POWER SUPPLY	PCT/EP2009/052399	2/27/2009		WO2009106628	
CN	Improved Filter	200980106935.5	2/27/2009	ZL200980106935.5	CN102067444	9/18/2013
EP	IMPROVED FILTER FOR SWITCHED MODE POWER SUPPLY	09715781.4	2/27/2009		EP2241006	
US	FILTER FOR SWITCHED MODE POWER SUPPLY	13/919,645	2/27/2009	8,879,284	20130098846	11/4/2014
US	FILTER FOR SWITCHED MODE POWER SUPPLY	14/515,988	10/16/2014		20150094598	
GB	SIGNAL ALIGNMENT FOR	G81005187.3	3/30/2010		G81478859	

**Exhibit 2
Excluded Patent Items**

Country	Application Title	App. No.	Filed Date	Patent Number	Publication Number	Issue/Grant Date
GB	Printed circuit board with co-planar plate	GB0809270.2	5/21/2008		GB2460124	
WO	PRINTED CIRCUIT BOARD WITH CO-PLANAR PLATE AND METHOD OF MANUFACTURING THEREFOR	PCT/EP2008/056199	5/21/2008		WO2009141413	
WO	APPARATUS AND METHODS FOR ENVELOPE TRACKING CALIBRATION	PCT/US2012/024019	2/6/2012		WO2012109161	
CN	APPARATUS AND METHODS FOR ENVELOPE TRACKING CALIBRATION	2012800153.47.2	2/6/2012		CN103493368	
HK		14102987.5	2/6/2012		HK1190004	
JP	APPARATUS AND METHODS FOR ENVELOPE TRACKING CALIBRATION	2013-553480	2/6/2012		2014-505449	
KR	APPARATUS AND METHODS FOR ENVELOPE TRACKING CALIBRATION	10-2013-7023479	2/6/2012		10-2014-0000921	
EP	APPARATUS AND METHODS FOR ENVELOPE TRACKING CALIBRATION	12744479.2	2/6/2012		EP2673381	
TW	APPARATUS AND METHODS FOR VOLTAGE CONVERTERS	101142960	11/16/2012		TW201338380	
WO	APPARATUS AND METHODS FOR VOLTAGE CONVERTERS	PCT/US2012/064863	11/13/2012		WO2013074541	
CN	APPARATUS AND METHODS FOR VOLTAGE CONVERTERS	2012800664.14.3	11/13/2012		CN104169826	
KR	APPARATUS AND METHODS FOR VOLTAGE CONVERTERS	10-2014-7015363	11/13/2012		10-2014-0127798	
EP	APPARATUS AND METHODS FOR VOLTAGE CONVERTERS	12849934.0	11/13/2012		EP2760772	