505287283 01/18/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5334058

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IGNYTA, INC.	10/17/2016

RECEIVING PARTY DATA

Name:	CANCER RESEARCH TECHNOLOGY LIMITED
Street Address:	407 ST JOHN STREET
Internal Address:	ANGEL BUILDING
City:	LONDON
State/Country:	UNITED KINGDOM
Postal Code:	EC1V 4AD

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15417191
Application Number:	16212582

CORRESPONDENCE DATA

Fax Number: (858)314-1501

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.

Phone: 8583141500

Email: IPDocketingBOS@mintz.com

Correspondent Name: MINTZ LEVIN

Address Line 1: 3580 CARMEL MOUNTAIN ROAD, SUITE 300

Address Line 4: SAN DIEGO, CALIFORNIA 92130

ATTORNEY DOCKET NUMBER:	052211-505C02US/505D01US	
NAME OF SUBMITTER:	MELISSA J. BRAYMAN	
SIGNATURE:	/Melissa J. Brayman/	
DATE SIGNED:	01/18/2019	

Total Attachments: 6

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PATENT 505287283 REEL: 048063 FRAME: 0607

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> PATENT REEL: 048063 FRAME: 0608

THIS ASSIGNMENT is made on October 12, 2016

BETWEEN

- (1) IGNYTA, INC a corporation registered in the State of Delaware, whose principal place of business is at 11111 Flintkote Avenue, San Diego, 92121, California, United States of America (Ignyta)
- (2) CANCER RESEARCH TECHNOLOGY LIMITED a company registered in England (registered number 01626049) whose registered office is at Angel Building 407 St. John Street, London, EC1V 4AD, United Kingdom (CRT)

OPERATIVE PROVISIONS

In this Assignment the following expressions have the following meanings unless inconsistent with the context:

"Assigned IP"

the patents and patent applications described in the Schedule

"Effective Date"

12 July 2016

- 2. This Assignment is entered into pursuant to the Termination of License Agreement made between Ignyta and CRT effective as of 6 April 2016 and in consideration of the payment of one pound by CRT to Ignyta (receipt of which Ignyta acknowledges), Ignyta confirms the assignment to CRT, with effect from the Effective Date, of:
 - 2.1 all worldwide right, title and interest in the Assigned IP absolutely;
 - 2.2 all rights and powers arising or accrued from the Assigned IP up to the Effective Date, including any right to sue for damages and other remedies including without limitation any right to have the benefit of any remedy obtained on any supposed infringement of all or any of its rights in the Assigned IP before the date of this Assignment; and
 - 2.3 all rights to apply for prosecution to obtain patent or similar or other registered protection throughout the world in relation to all or any of the Assigned IP, including any right to apply for renewals and extensions and the right to claim priority from earlier applications so that the grant of any patent or similar or other registered protection shall be in the name of and vest in CRT;
 - 2.4 do all such other acts and things, and execute and provide all such documents at CRT's request and costs, subject to section 3.6 of the Termination of License Agreement, as may be necessary to give effect to the purpose of this clause 2.
- The rights and benefits transferred by this Assignment will be enforceable by CRT, together

with any successors in title or assignees.

4. This Assignment and any non-contractual obligations arising out of or in connection with it shall be governed by and construed in accordance with the laws of England. The courts of England will have exclusive jurisdiction to settle any disputes which may arise out of or in connection with this Assignment. The parties irrevocably agree to submit to that jurisdiction, save that nothing shall prevent either party from seeking injunctive relief in any appropriate jurisdiction.

2/8

Schedule

Assigned IP

Country	Application No.	Filling Date
USA	61/563310	23/Nov/2011
Australia	2012340869	19/Nov/2012
Canada	2,855,446	19/Nov/2012
China	201280057805.9	19/Nov/2012
Europe	12795969.0	19/Nov/2012
Europe	15196784.1	19/Nov/2012
France	12795969.0	19/Nov/2012
Germany	12795969.0	19/Nov/2012
India	4558/CHENP/2014	19/Nov/2012
International	PCT/US2012/065831	19/Nov/2012
Israel	232559	19/Nov/2012
italy	12795969.0	19/Nov/2012
Japan	2014-543517	19/Nov/2012
Mexico	MX/a/2014006233	19/Nov/2012
New Zealand	625447	19/Nov/2012
New Zealand	712613	19/Nov/2012
Spain	12795969.0	19/Nov/2012
Switzerland	12795969.0	19/Nov/2012
United Kingdom	12795969.0	19/Nov/2012
USA	14/285,007	19/Nov/2012
USA	61/707340	28/Sep/2012
UŞA	61/781364	14/Mar/2013
Australia	2013323360	27/Sep/2013
Brazil	BR 11 2015 007061 2	27/Sep/2013
Canada	2,886,495	27/Sep/2013
Chile	2015-00781	27/Sep/2013
China	201380062263.9	27/Sep/2013
Eurasia	EA201590661	27/Sep/2013

Country	Application No.	Filling Date
Europe	13774578.2	27/Sep/201
India	2318/CHENP/2015	27/Sep/201:
International	PCT/US2013/062085	27/Sep/201
Israel	237918	27/Sep/201:
Japan	2015-534889	27/Sep/201
Mexico	MX/A/2015/004016	27/Sep/201:
New Zealand	706857	27/Sep/201
Philippines	12015500689	27/Sep/201
Singapore	11201502301Y	27/Sep/201
South Africa	2015/02783	27/Sep/201:
South Kores	10-2015-7010868	27/Sep/201:
Talwan	102134928	27/Sep/201
USA	14/038,915	27/Sep/201
USA	14/975,805	27/Sep/201:
Hong Kong	15102864.2	20/Mar/2018
Talwan	104109278	24/Mar/2018
USA	61/970006	25/Mer/2014
Argentina	P20150100873	25/Mar/201/
International	PCT/US2015/022368	25/Mar/2018
Pakistan	163/2015	25/Mar/2015
USA	14/688,022	25/Mer/2015
Hong Kong	15112771.3	28/Dec/2019
Hong Kong	16100181.9	08/Jan/2016

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PATENT REEL: 048963 FRAME: 0632

EXECUTED on behall By	f of IGNYTA, INC
Signature	<u> </u>
Name (printed)	Garatrantin
Position	<u>CEO</u>
Date	10/11/2016
EXECUTED on behal	f of CANCER RESEARCH TECHNOLOGY LIMITED
By	
Signature	Grand-
Name (printed)	P J L'Huillier Director, Business Management
Position	
Date	November 4, 2016

California all-purpose acknowledgment

CIVIL CODE § 1189

document to which this certificate is attached, and no	flicate verifies only the identity of the individual who signed the ot the truthfulness, accuracy, or validity of that document.
itate of California County of <u>SUND</u> RAO	
on (Chick 11, 1016) before me, I	Here Insert Name and Title of the Officer
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ubscribed to the within instrument and ackno	ory evidence to be the person(s) whose name(s) is/are owledged to me that he/she/they executed the same in y his/her/their signature(s) on the instrument the person(s), acted, executed the instrument.
OAVIN BARRON	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
Commission # 2091736 Notary Public - California	WITNESS My hand and official seal.
Santa Clara County My Comm. Expires Dec 25, 2019	Signature
	Signature of Notary Public
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Partner — □ Limited □ General □ Individual □ □ Attorney in Fact	☐ Trustee ☐ Guardian or Conservator

PATENT REEL: 048963 FRAME: 0832

RECORDED: 01/18/2019