504115994 11/30/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
AMIT NATHWANI	03/18/2012
NATALIE WARD	03/13/2012
ADRIAN THRASHER	03/13/2012
EDWARD TUDDENHAM	03/14/2012

RECEIVING PARTY DATA

Name:	UCL BUSINESS PLC
Street Address:	97 TOTTENHAM COURT ROAD
Internal Address:	THE NETWORK BUILDING, GREATER LONDON
City:	LONDON
State/Country:	UNITED KINGDOM
Postal Code:	W1T 4TP

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14680836

CORRESPONDENCE DATA

Fax Number: (312)474-0448

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: 3124746300

Email: docket@marshallip.com, jhudson@marshallip.com

Correspondent Name: MARSHALL GERSTEIN BORUN LLP

Address Line 1: 233 SOUTH WACKER DRIVE

Address Line 2: 6300 WILLIS TOWER

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	30610/47517A
NAME OF SUBMITTER:	SHARON M. SINTICH
SIGNATURE:	/Sharon M. Sintich/
DATE SIGNED:	11/30/2016

Total Attachments: 8

PATENT REEL: 040465 FRAME: 0920

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PATENT REEL: 040465 FRAME: 0921

ASSIGNMENT

WHEREAS, we,

Amit NATHWANI, a citizen of the United Kingdom, with mailing address at University College London, Gower Street, Greater London, London WC1E 6BT (GB) and

Natalie WARD, a citizen of the United Kingdom, with mailing address at University College London, Gower Street, Greater London, London WC1E 6BT (GB) and

Adrian THRASHER, a citizen of the United Kingdom, with mailing address at University College London, Gower Street, Greater London, London WC1E 6BT (GB) and

Edward TUDDENHAM, a citizen of the United Kingdom, with mailing address at University College London, Gower Street, Greater London, London WC1E 6BT (GB)

are the inventors of certain inventions and improvements described in a U.S. patent application identified by having the title:

OPTIMISED CODING SEQUENCE AND PROMOTER

which application

[X] was filed as PCT International Application Number PCT/US2010/41378, filed on July 8, 2010 and as US Application Serial Number 13/382,953.

and WHEREAS

UCL BUSINESS PLC
The Network Building
97 Tottenham Court Road
Greater London, London W1T 4TP
United Kingdom

ASSIGNEE, desires to acquire our entire rights, titles and interests in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEE, its successors, assign and legal representatives (NOMINEES) our entire rights, titles and interests in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

Attorney Docket No.: 000487.00133 .

And we covenant that we have full right to convey my entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And we authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And we hereby grant our attorneys at the law firm of Banner &Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

Date: _18/3/2012	Inventor: Nath	Mo- nit NATHWANI
Date:	Inventor: Na	talie WARD
Dater	Inventor:	rian THRASHER
Date:	Inventor:	ward TUDDENHAM

Note: No legalization or other witness required.

LAW OFFICES

BANNER & WITCOFF, LTD.
1100 13th STREET, N.W.
WASHINGTON, D.C. 20005-4051

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Date:	Inventor:	
	Amit NATHWANI	
Date: <u>13/03/1</u> 2	Inventor: MADOC	
 /	Natalie WARD	
Date:	Inventor:	
· · · · · · · · · · · · · · · · · · ·	Adrian THRASHER	
Date:	Inventor:	
	Edward TUDDENHAM	

Note: No legalization or other witness required.

LAW OFFICES

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1100 13th STREET, N.W.
WASHINGTON, D.C. 20005-4051

(202) 824-3000

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Date:	Inventor:Amit NATHWANI
Date:	Inventor:
Date: 13.3.1	Inventor: Adrian THRASHER
Date:	Inventor:Edward TUDDENHAM

Note: No legalization or other witness required.

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Date:	Inventor:	Amit NATHWANI
Date:	Inventor:	Natalie WARD
Date:	Inventor:	Adrian THRASHER
Date: 14. MAR. 70	Z _{Inventor:}	E.G. D. Tuddenlian Edward TUDDENHAM

Note: No legalization or other witness required.

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