# 504474183 07/26/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4520885

			NEW ASSIGNMENT				
NATURE OF CONVEYANCE:			ASSIGNMENT				
CONVEYING PARTY	DATA						
			Name			Execution Date	
JOHN CANNY						06/26/2007	
SHI ZHONG						06/11/2007	
SCOTT GAFFNEY						06/11/2007	
CHAD BROWER						06/08/2007	
PAVEL BERKHIN						06/08/2007	
GEORGE H. JOHN						05/30/2007	
RECEIVING PARTY D	ΑΤΑ						
Name:	YAHOO	D! INC	· · · · · · · · · · · · · · · · · · ·				
Street Address:	701 FIF	RST A	VENUE				
City:	SUNN	/VALE					
State/Country:	CALIFO	ORNIA	1				
Postal Code:	94089						
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Assignment of Granular Data for Behavioral Targeting by John Canny, Shi Zhong, Scott Gaffney, Chad Brower, Pavel Berkhin, and George John to Yahoo! Inc. YHOO.P0045 / Y01974US01

### ASSIGNMENT OF PATENT APPLICATION BY INVENTOR

Whereas I, an undersigned inventor (hereinafter "INVENTOR"), have invented certain new and useful improvements as set forth in the patent application entitled:

## GRANULAR DATA FOR BEHAVIORAL TARGETING

for which I have executed a U.S. patent application on even date herewith.

which bears U.S. application serial No. , filed .

for which I have executed a patent application in the country of \_\_\_\_\_\_ on even date herewith.

which I have executed a U.S. provisional application on even date herewith.

which is a U.S. provisional application which bears U.S. application serial No., filed .

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

(a) Sell, assign and transfer to Yahoo! Inc., a Delaware corporation having a place of business at 701 First Avenue, Sunnyvale, California 94089 (hereinafter "ASSIGNEE"), (1) the entire right, title and interest, and any and all revenues and rights to revenue, for any purpose, associated with commercialization, everywhere in the world, to (A) any and all inventions described in said Application, (B) said Application, (C) any patent that may be granted thereof, (D) any patent applications or patents which may claim priority of (or serve as the basis for a priority claim by) said Application (including but not limited to continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, together with all priority rights and counterpart applications under any existing or future international patent conventions, agreements or treaties), and;(2) the right to sue third parties for patent infringement (including but not limited to damages) accruing based on activities occurring prior to the execution date hereof.

(b) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, reexamination or reissue thereof to the ASSIGNEE.

(c) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, and to communicate to the ASSIGNEE any facts known to us respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative

Page 1 of 7

(d) Warrant and covenant that no other assignment, license, contract, understanding, interest or other grant to any third party with respect to any of the foregoing has been made, or shall in the future be made, by or on behalf of INVENTOR.

(e) Covenant not to challenge the validity or enforceability of any of the patent applications or patents assigned to ASSIGNEE hereunder.

(f) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the INVENTOR, as well as the INVENTOR's heirs, legal representatives and assigns.

(g) Authorize and request my attorney/agent to insert above the application number in order to assist with recordal of this assignment or any other information necessary to perfect this assignment.

	WHEREOF, L. John Canny	have	executed this document on the	
date indicated be	KW.		6/26/2007	
(Ala	n Ung		6/26/2007	
Signature of invento		Date		
Berk	eley CA 947	08		
Inventor's City, State	ofresidence			
Witnessed by:	$\sim$			
Anda	odula	i.	la laca7	
(1) UCCZ Signature of Witness	MACK	Date (	26,3001	
Angle	<sup>3</sup> - 1	Ber	Kolas, CA	
Print Witness Name	appoint	Witness'	Lity, State of residence	
M. A		61-	1 han	
(2) W( V Signature of Witness		Date (		
A A .	1		FRANCISCO, CA	
Print Witness Name	AAMAN	<u>SAN</u> Witness'	FRANCISCO, CA	
FILK WINCSSIMM				
	Page 2	2 of 7	PATENT	
1		1	REEL: 043100 FRAME: 01	98

р.З

IN TESTIMONY WHEREOF, 1 <u>Shi Zhong</u> the date indicated below.

Signature of Invegtor

Santa Clara, CA Inventor's City, State of residence

Witnessed by: (1)Signature of Witness

LIU Print Witness

him

(2) Signature of Witness

Chen Ye

- Print Witness Name

have executed this document on

6/11/2007

Date

61 Date

Santa Clara

Witness' City, State of residence

6/11/7 Date

Sumperele CA

Witness' City, State of residence

## PATENT REEL: 043100 FRAME: 0199

IN TESTIMONY WHEREOF, I Scott Gaffney on the date indicated below.

Signature of Inventor

have executed this document

6/11/2007 Date

San Francisco, CA Inventor's City, State of residence

Witnessed/by: (1)

Signature of

RAJAN SVJV

Print Witness Name

Signatu ......  $\sqrt{}$ Ĕ deaste

Print Witness Name

6/11/2007

Date

SUNNY VALE, CA

Witness' City, State of residence

Date

Mount ъV

Witness' City, State of residence

## PATENT **REEL: 043100 FRAME: 0200**

### 06/08 12:40:54 06/08/2007 FRI 11:44 FAX

#### Assignment of Granular Data for Behavioral Targeting YHOO,P0045 / Y01974U801

IN TESTIMONY WHEREOF, I Chad Brower have executed this document on the date indicated below.

Can Drawny-Signature of Inventor

<u>2007 june 8</u> Date

Campbell, CA

Inventor's City, State of residence

Witnessed by:

de la Martalacia de la contrata de construir en contrato co (1) Aun Signature of Witness

GUPTA AVINASH Prim Witness Name

Cao

(2) Signature of Witness

Hallun Print Witness Name

Date

06/08/07 Date <u>CA (Summzvale)</u> Witness' City, State of residence

618107

Belmmt, CA

Witness' City, State of residence

- ) 8

have executed this document

IN TESTIMONY WHEREOF, I \_\_\_\_ Pavel Berkhin\_\_

on the date indicated below 200 a

Signature of Inventor

6 Date

Sunnyvale, CA Inventor's City, State of residence

Witnessed by:

(1)Signature of Witness  $\Delta O D$  $\Delta D$ 

Print Witness Name

(2 Signature of Witness Print Witness Name

- 8 -Date

Witness' City, State of residence

Date

Witness' City, State of residence

PATENT REEL: 043100 FRAME: 0202

Page 6 of 7

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Assignment of Granular Data for Behavioral Targeting by John Canny, Shi Zhong, Scott Gailiney, Chad Brower, Pavel Berkhin, and George John to Yahoo! Inc. YHOO.P0045 / Y01974US01

IN TESTIMONY WHEREOF, I \_\_\_ George II. John have executed this document on the date indicated below.

Signature of Inventor

Date

Redwood City, CA Inventor's City, State of residence

Witnessed by:

(1) by Signature of Witness

Mootle Patrick

Print

Signature of Witness

Print Witness

Date

San Jose Ca

Wilness' City, State of residence

Date

and the second second

5/30/07

San Jolly Witness' City, State of residence

**RECORDED: 07/26/2017** 

## PATENT REEL: 043100 FRAME: 0203