504760015 02/02/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4806743

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SRI VISWANATH	03/24/2015
ERIC HYCHE	06/02/2015
PETER BERGSTROM	03/18/2015
MICHAEL BURTON	04/10/2015
DOR LEVI	06/09/2015
FABIO SISINNI	09/19/2015
DON ALBERT CHENNAVASIN	03/31/2015
MARIUS G. CIOCIRLAN	03/13/2015
BEN KIM	06/16/2015
RIAZ RAHIM	03/27/2015

RECEIVING PARTY DATA

Name:	GROUPON, INC.
Street Address:	600 WEST CHICAGO AVENUE
Internal Address:	SUITE 620
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60654

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14626395

CORRESPONDENCE DATA

Fax Number: (704)444-1111

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: 704-444-1000

Email: usptomail@alston.com

Correspondent Name: ALSTON & BIRD LLP

Address Line 1: BANK OF AMERICA PLAZA

Address Line 2: 101 SOUTH TRYON STREET, SUITE 4000
Address Line 4: CHARLOTTE, NORTH CAROLINA 28280-4000

504760015 REEL: 045241 FRAME: 0913

PATENT

ATTORNEY DOCKET NUMBER:	058407/457018
NAME OF SUBMITTER:	ZACHARY A. HIGBEE
SIGNATURE:	/Zachary A. Higbee/
DATE SIGNED:	02/02/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 20

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Title of	METHOD AND SYSTEM FOR ADJUSTING ITEM RELEVANCE
Invention	BASED ON CONSUMER INTERACTIONS

As the below named inventor, I, hereinafter referred to as the undersigned, hereby declare that:

This declaration is directed to:

the attached application, or
United States Application or PCT International Application No. 14/626,395, filed on 2/19/2015;

Application claims priority from Application No. 62/017,776, filed 6/26/2014, and claims priority from Application No. 62/017,781, filed 6/26/2014, and claims priority from Application No. 62/017,783, filed 6/26/2014, and claims priority from Application No. 62/017,787, filed 6/26/2014, and claims priority from Application No. 62/017,793, filed 6/26/2014, and claims priority from Application No. 62/017,795, filed 6/26/2014, and claims priority from Application No. 62/017,795, filed 6/26/2014, and claims priority from Application No. 61/943,242, filed 2/21/2014, all applications listed above being hereinafter referred to as the "application(s)";

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Whereas, I have invented certain new and useful improvements in the application identified above; and

Whereas,

GROUPON, INC.

600 West Chicago Avenue, Suite 620 Chicago, IL 60654

hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in the application identified above, and in and to any and all

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned has sold and assigned, and by these presents hereby sells and assigns, unto said assignee its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the invention identified above, including said application for United States Letters Patent, all divisional, renewal, substitute, continuation, nonprovisionals, continuation-inparts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent: said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignce in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

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LEGAL NAME OF INVENTOR

Inventor: Eric Hyche	(Signature)	Date: <u>4/2/2015</u>
<u>Argelo D'Aych</u> Witness		Angels D. Hyda Witness Name (Printed)
Witness		Witness Name (Printed)

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LEGAL NAME OF INVENTOR

Signature	Date: 3/18/2015		
Inventor: Peter Bergstrom		Signature	Date: 3/18/2015
Witness	Witness Name (Printed)		
Witness Name (Printed)			
Witness Name (Printed)			

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LEGAL NAME OF INVENTOR

(Signature) Date: 4/10/15

Inventor: Michael Burton

Witness

Witness Name (Printed)

Douglas Rendo
Witness Name (Printed)

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LEGAL NAME OF INVENTOR

Inventor: Dor Levi	(Signature) Date () () () ()	Ś
hall	IZZET SAFER	
Witness	Witness Name (Printed)	
Sha	Sherese Schlosser	
Witness	Witness Name (Printed)	

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LEGAL NAME	E OF INVENTOR			
Kolno	Lun	(Signature)	Date: <u>///</u>	9/2/15
Inventor: Fabio	Sisinni			
Roll 1	un		CRICTIANA Witness Name (Prin	PALMIERI
Witness			Witness Name (Prin	ited)
Witness			Witness Name (Prin	ited)

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Whereas, I have invented certain new and useful improvements in the application identified above; and

Whereas,

GROUPON, INC.

600 West Chicago Avenue, Suite 620 Chicago, IL 60654

hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in the application identified above, and in and to any and all

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned has sold and assigned, and by these presents hereby sells and assigns, unto said assignee its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the invention identified above, including said application for United States Letters Patent, all divisional, renewal, substitute, continuation, nonprovisionals, continuation-inparts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

This Assignment is deemed to be effective at least as early as the earliest priority date.

LEGAL NAME OF INVENTOR

(Signature)

Date: 3/31/15

Nathwork

Witness Name (Printed)

Witness Name (Printed)

Title of Invention

METHOD AND SYSTEM FOR ADJUSTING ITEM RELEVANCE BASED ON CONSUMER INTERACTIONS

As the below named inventor, I, hereinafter referred to as the undersigned, hereby declare that:

This declaration is directed to:

the attached application, or

United States Application or PCT International Application No. 14/626 395, filed on 2/19/2015:

Application claims priority from Application No. 62/017.776, filed 6/26/2014, and claims priority from Application No. 62/017.781, filed 6/26/2014, and claims priority from Application No. 62/017.783, filed 6/26/2014, and claims priority from Application No. 62/017.787, filed 6/26/2014, and claims priority from Application No. 62/017.793, filed 6/26/2014, and claims priority from Application No. 62/017.793, filed 6/26/2014, and claims priority from Application No. 62/017.793, filed 6/26/2014, and claims priority from Application No. 61/943.242, filed 2/21/2014, all applications listed above being hereinafter referred to as the "application(s)";

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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Whereas, I have invented certain new and useful improvements in the application identified above; and

Whereas,

GROUPON, INC.

600 West Chicago Avenue, Suite 620. Chicago, IL 60654

hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in the application identified above, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are harabu acknowledged the understand has sold and assigned, and by those measure harabu salls

over year continued and sense and a south and some supplied in the sense of the sense products over the sense of the sense products over the sense of the sense o and assigns, unto said assignee its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the invention identified above, including said application for United States Letters Patent, all divisional, renewal, substitute, continuation, nonprovisionals, continuation-inparts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignce may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant. license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignce as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignce all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

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LEGAL NAME OF INVENTOR

(Signature)

Date: 03/13/15

Charles Miller

Soladian Negoli

Inventor: Marius G. Ciocirlan

Chile hill

Witness

Witness Name (Printed)

Witness Name (Printed)

Title of	METHOD AND SYSTEM FOR ADJUSTING ITEM RELEVANCE
Invention	BASED ON CONSUMER INTERACTIONS

As the below named inventor, I, hereinafter referred to as the undersigned, hereby declare that:

This d	eclaration is directed to:
	the attached application, or
\boxtimes	United States Application or PCT International Application No. <u>14/626,395</u> , filed on
	02/19/2015;
\boxtimes	Application claims priority from Application No. <u>62/017,783</u> , filed <u>06/26/2014</u> ,
	Application No. <u>62/017,781</u> , filed <u>06/26/2014</u> , Application No. <u>62/017,787</u> , filed
	06/26/2014, Application No. 62/017,795, filed 06/26/2014, Application No. 62/017,793,
	filed <u>06/26/2014</u> , Application No. <u>62/017,776</u> , filed <u>06/26/2014</u> , and Application No.
	61/943,242, filed 02/21/2014 all applications listed above being hereinafter referred to as
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Inventor: Ben Kim	(Signature) Date:
Witness	Witness Name (Printed)
Witness	Witness Name (Printed)

Title of	METHOD AND SYSTEM FOR ADJUSTING ITEM RELEVANCE
Invention	BASED ON CONSUMER INTERACTIONS

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LEGAL NAME OF INVENTOR

RECORDED: 02/02/2018

| Michael Yin | Michael Yin | Witness Name (Printed)