

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3598682

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ASHITA ACHUTHAN	11/28/2011
OLIVER G. DUMON	01/18/2012
RYAN MCDONALD	11/10/2011
MUHAMMAD FAISAL REHMAN	11/04/2011
JULIE NETZLOFF	11/28/2011
KEN SUN	11/29/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EBAY INC.
<b>Street Address:</b>	2145 HAMILTON AVENUE
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95125
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14930950
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)339-3061
<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>	
<b>Phone:</b>	6123736900
<b>Email:</b>	slw@blackhillsip.com
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER, P.A. / PA
<b>Address Line 1:</b>	P.O. BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	4411.998US2
<b>NAME OF SUBMITTER:</b>	JENNIFER TINTOR
<b>SIGNATURE:</b>	/Jennifer Tintor/
<b>DATE SIGNED:</b>	11/03/2015
<b>Total Attachments: 7</b>	

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## ASSIGNMENT

WHEREAS, We, Ashita Achuthan, residing at 10170 Parkwood Drive #8, Cupertino, CA 95014, and Olivier G. Dumon, residing at 45 Seward St. #2, San Francisco, CA 94114, and Ryan McDonald, residing at 3165 Mission St, Unit 202, San Francisco, CA 94110, and Muhammad Faisal Rehman, residing at 385 Destino Circle, San Jose, CA 95133, and Julie Netzloff, residing at 477 Madison Drive, San Jose, CA 95123, and Ken Sun, residing at 4250 El Camino Real, #D234, Palo Alto, CA 94306, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent on **September 30, 2011**, which application was assigned U.S. patent application serial number **13/250,936**, and is entitled METHODS AND SYSTEMS USING DEMAND METRICS FOR PRESENTING ASPECTS FOR ITEM LISTINGS PRESENTED IN A SEARCH RESULTS PAGE;

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to eBay Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 2145 Hamilton Avenue, San Jose, CA 95125, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 49845 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

### Additional Application Information

*No Provisional claim for priority is being made at this time.*

*No U.S. Non-Provisional claim for priority is being made at this time.*

*No International or foreign claim for priority is being made at this time.*

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

**Inventor: 1:**

(Signature): *Ashita Achuthan*

Name: **Ashita Achuthan**

Date: 11/28/2011

**Assignment**

Client Ref. No. P1361US1

Assignors: Aslita Achuthan et al

Serial Number: 13 250,936

Title: METHODS AND SYSTEMS USING DEMAND  
METRICS FOR PRESENTING ASPECTS FOR ITEM  
LISTINGS PRESENTED IN A SEARCH RESULTS PAGE

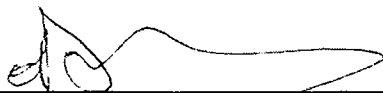
Page 3 of 7

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Docket No: 2043,998US1

**Inventor: 2:**

(Signature):



Name: **Olivier G. Dumon**

Date:

01/18/2012

**Assignment**

Client Ref. No. P1361US1

Assignors: Ashita Achuthan et al.

Serial Number 13/250,936

Title: METHODS AND SYSTEMS USING DEMAND

METRICS FOR PRESENTING ASPECTS FOR ITEM

LISTINGS PRESENTED IN A SEARCH RESULTS PAGE

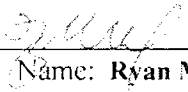
Page 4 of 7

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Docket No. 2043 998US1

**Inventor: 3:**

(Signature):



Name: **Ryan McDonald**

Date:

6/15/11

Assignment

Patent No. 2,111,081

Assignor: Alcatel-Lucent

Assignee: Alcatel-Lucent

Patent No. 2,111,081

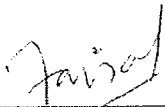
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Page 5 of 5

Inventor: 4:

(Signature):



Name: Muhammad Faisal Rehman

Date:

11/4/2011

Assignment

Docket No: 2043.998US1

Client Ref. No: P1361US1

Assignors: Ashita Achuthan et al.

Serial Number: 13/250,936

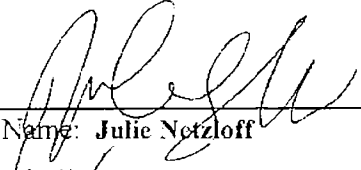
Title: METHODS AND SYSTEMS USING DEMAND  
METRICS FOR PRESENTING ASPECTS FOR ITEM  
LISTINGS PRESENTED IN A SEARCH RESULTS PAGE

Page 6 of 7

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Inventor: 5:

(Signature):

  
Name: Julie Netzloff

Date:

11/28/11



Assignment

Origin Ref No: 0936454

Assignors: Ashwin, Aveling et al

Serial Number: 13280006

Title: METHODS AND SYSTEMS USING DEMAND  
METRICS FOR PRESENTING ASPECTS FOR ITEM  
LISTINGS PRESENTED IN A SEARCH RESULTS PAGE

Page 7 of 7

Inventor: 6:

(Signature): \_\_\_\_\_

Name: Ken Sun

Date: 1/29/2011