

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2740344

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CRX K. CHAI</td> <td>12/20/2012</td> </tr> <tr> <td>ALEX FISHMAN</td> <td>12/19/2012</td> </tr> <tr> <td>MATTHEW HUNTINGTON</td> <td>02/13/2014</td> </tr> <tr> <td>ISAAC CHELLIN</td> <td>12/21/2012</td> </tr> <tr> <td>KEVIN LU</td> <td>02/19/2014</td> </tr> </tbody> </table>		Name	Execution Date	CRX K. CHAI	12/20/2012	ALEX FISHMAN	12/19/2012	MATTHEW HUNTINGTON	02/13/2014	ISAAC CHELLIN	12/21/2012	KEVIN LU	02/19/2014
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CRX K. CHAI	12/20/2012												
ALEX FISHMAN	12/19/2012												
MATTHEW HUNTINGTON	02/13/2014												
ISAAC CHELLIN	12/21/2012												
KEVIN LU	02/19/2014												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>OPENTV, INC.</td> </tr> <tr> <td>Street Address:</td> <td>275 SACRAMENTO STREET</td> </tr> <tr> <td>City:</td> <td>SAN FRANCISCO</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94111</td> </tr> </table>		Name:	OPENTV, INC.	Street Address:	275 SACRAMENTO STREET	City:	SAN FRANCISCO	State/Country:	CALIFORNIA	Postal Code:	94111		
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13605672</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13605672								
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Application Number:	13605672												
CORRESPONDENCE DATA													
Fax Number: Email: request@slwip.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: SCHWEGMAN, LUNDBERG & WOESSNER, P.A. Address Line 1: P.O. BOX 2938 Address Line 4: MINNEAPOLIS, MINNESOTA 55402													
ATTORNEY DOCKET NUMBER:	2050.261US1												
NAME OF SUBMITTER:	DIANA JOHNSON												
Signature:	/Diana Johnson/												

Date:

02/25/2014

**Total Attachments: 8**

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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 2050.261US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Crx K. Chai, Alex Fishman, Matthew Huntington, Isaac  
Chellin, Kevin Lu

Additional name(s) of conveying party(ies) attached?

[ ] Yes [X] No

3. Nature of conveyance:

[X] Assignment [ ] Merger

[ ] Security Agreement [ ] Change of Name

[ ] Other

Execution Date: December 20, 2012, December 19,  
2012, February 13, 2014, December 21, 2012, February  
19, 2014

2. Name and address of receiving party(ies):

Name: OpenTV, Inc.

Street Address: 275 Sacramento Street

City: San Francisco State: CA Zip: 94111

Country: United States of America

Additional name(s) & address(es) attached? [ ] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 13/605,672

B. Patent No.(s)

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Susan Yee

Address:

Schwegman, Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

[ ] Enclosed

[ ] Authorized to be charged to deposit account 19-  
0743

8. Please charge any additional fees or credit any over  
payments to our Deposit Account No.: 19-0743

**DO NOT USE THIS SPACE**

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy  
of the original document.

Susan Yee/Reg. No. 41,388

Name of Person Signing

1 Susan Yee 1

Signature

February 23, 2014

Date

Total number of pages including cover sheet: 8

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

**PATENT**  
**REEL: 032287 FRAME: 0492**

## ASSIGNMENT

WHEREAS, Crx K. Chai, Alex Fishman, Matthew Huntington, Isaac Chellin, Kevin Lu (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on September 6, 2012, which application was assigned US patent application serial number 13/605,672, and which is titled APPARATUS AND METHOD FOR EPG SORTING AND AUTOMATIC REALIGNMENT; which are described in a patent application filed on November 9, 2011, which application was assigned EP application serial number 11188362.5, and which is titled Apparatus and method for navigating an electronic program guide; which are described in a patent application filed on September 7, 2011, which application was assigned US application serial number 61/531,621, and which is titled APPARATUS AND METHOD OF EPG SORTING AND AUTOMATIC REALIGNMENT.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to OpenTV, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 275 Sacramento Street, San Francisco, CA 94111, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

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

**Assignment**

Assignors: Crx K. Chai et al.

Title: APPARATUS AND METHOD FOR EPG SORTING AND AUTOMATIC REALIGNMENT

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Docket No: 2050.261US1

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 44367 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall 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 shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention 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 the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

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:

**Assignment**

Docket No: 2050.261US1

Assignors: Crx K. Chai et al.

Title: APPARATUS AND METHOD FOR EPG SORTING AND AUTOMATIC REALIGNMENT

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**Assignor:**

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

Name: Crx K. Chai

City/State: Oakland, CA

Date: 12/20/12

**Assignment**

Docket No: 2050.261US1

Assignors: CRY K. Chai et al.

Title: APPARATUS AND METHOD FOR EPG SORTING AND AUTOMATIC REALIGNMENT

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**Assignor:**

(Signature):



Name: Alex Fishman

City/State: San Francisco, CA

Date: 12/19/12

Assignment

Docket No: 2050.261US1

Assignors: Crx K. Chai et al.

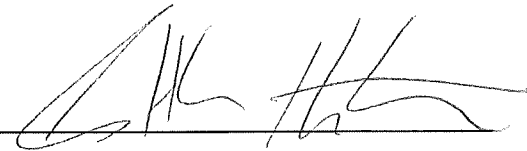
Title: APPARATUS AND METHOD FOR EPG SORTING AND AUTOMATIC REALIGNMENT

Page 5 of 7

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Assignor:

(Signature):

A handwritten signature in black ink, appearing to be 'MH' followed by a stylized flourish, written over a horizontal line.

Name: Matthew Huntington

City: Twickenham

Date: 13 FEB 2014



**Assignment**

Docket No: 2050.261US1

Assignors: Crx K. Chai et al.

Title: APPARATUS AND METHOD FOR EPG SORTING AND AUTOMATIC REALIGNMENT

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**Assignor:**

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

Name: Isaac Chellin

City/State: San Francisco, CA

Date: 12/21/2012

Assignment

Docket No: 2050.261US1

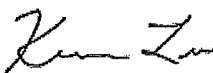
Assignors: Cx K. Chai et al.

Title: APPARATUS AND METHOD FOR EPG SORTING AND AUTOMATIC REALIGNMENT

Page 7 of 7

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Assignor:

(Signature): 

Name: Kevin Lu

City/State: San Francisco, CA

Date: Feb 19, 2014