

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3547165

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
INTELLECTUAL VENTURES FUND 83 LLC	09/25/2015
RECEIVING PARTY DATA	
Name:	INTELLECTUAL VENTURES ASSETS 20 LLC
Street Address:	2711 CENTERVILLE RD, SUITE 400
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 6	
Property Type	Number
Patent Number:	7263240
Patent Number:	6943920
Patent Number:	7020344
Patent Number:	6671405
Patent Number:	8087054
Patent Number:	8078618
CORRESPONDENCE DATA	
Fax Number:	(425)679-0580
<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>	
Email:	ivrecording@intven.com
Correspondent Name:	FOLEY & LARDNER LLP
Address Line 1:	3000 K STREET N.W.
Address Line 2:	SUITE 600
Address Line 4:	WASHINGTON DC, D.C. 20007-5109
NAME OF SUBMITTER:	BIANCA ZHANG
SIGNATURE:	/Bianca Zhang/
DATE SIGNED:	09/29/2015
Total Attachments: 3	
source=Intellectual Ventures Fund 83 LLC Assgt to IVA 20 LLC (Active Assets) - signed 25 Sept 2015#page1.tif	

source=Intellectual Ventures Fund 83 LLC Assgt to IVA 20 LLC (Active Assets) - signed 25 Sept 2015#page2.tif
source=Intellectual Ventures Fund 83 LLC Assgt to IVA 20 LLC (Active Assets) - signed 25 Sept 2015#page3.tif

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures Fund 83 LLC, a Delaware limited liability company having an address at 7251 W Lake Mead Blvd, Ste 300, Las Vegas, NV 89128 ("*Assignor*"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures Assets 20 LLC, a Delaware limited liability company, having an address at 2711 Centerville Rd, Suite 400, Wilmington, DE 19808 ("*Assignee*"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "*Patent Rights*"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "*Patents*");

<u>Patent and/or (Application) No.</u>	<u>Country</u>	<u>Issue Date (Filing Date)</u>	<u>Title of Patent and First Named Inventor</u>
8078618 (11/342789)	US	12/13/2011 (1/30/2006)	Automatic multimode system for organizing and retrieving content data files Jeffrey J. Vanepps; Daniel E. Gross; Holly L. Brosnahan
6671405 (09/460759)	US	12/30/2003 (12/14/1999)	Method for automatic assessment of emphasis and appeal in consumer images Andreas E. Savakis; Stephen Etz
8087054 (10/260975)	US	12/27/2011 (9/30/2002)	AUTOMATED EVENT CONTENT PROCESS METHOD AND SYSTEM Carolyn A. Zacks; Michael J. Telek; Frank Marino; Dan Harel; Douglas B. Beaudet
7263240 (10/342154)	US	8/28/2007 (1/14/2003)	Method, system, and software for improving signal quality using pyramidal decomposition Albert D. Edgar
7020344 (09/775688)	US	3/28/2006 (2/2/2001)	Match blur system and method Albert D. Edgar
6943920 (09/777394)	US	9/13/2005 (2/5/2001)	Method, system and software for signal processing using pyramidal DECOMPOSITION Albert D. Edgar

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents above and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceeding brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);

(g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

- (1) damages,
- (2) injunctive relief, and
- (3) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on September 29, 2015.

ASSIGNOR:

Intellectual Ventures Fund 83 LLC

By: Tracy Lemke
Name: Tracy Lemke
Title: Authorized Person