

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5892298

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
INTELLECTUAL VENTURES ASSETS 147 LLC		11/15/2019
RECEIVING PARTY DATA		
Name:	CDN INNOVATIONS, LLC	
Street Address:	44 MILTON AVENUE	
Internal Address:	SUITE 254	
City:	ALPHARETTA	
State/Country:	GEORGIA	
Postal Code:	30009	
PROPERTY NUMBERS Total: 22		
Property Type	Number	
Patent Number:	7461058	
Patent Number:	5968120	
Patent Number:	6535878	
Patent Number:	7925689	
Patent Number:	7970818	
Patent Number:	8073900	
Patent Number:	6697838	
Patent Number:	6912398	
Patent Number:	5926168	
Patent Number:	6535198	
Patent Number:	RE41701	
Patent Number:	RE43430	
Patent Number:	6975301	
Application Number:	09565155	
Application Number:	11515461	
Application Number:	11515148	
Application Number:	12970850	
Application Number:	60125347	
Application Number:	11456387	

Property Type	Number
Application Number:	11071947
Application Number:	11077333
Application Number:	60260884

CORRESPONDENCE DATA

Fax Number: (404)645-7707

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: 4046457700

Email: docketing@mcciplaw.com

Correspondent Name: LAWRENCE AARONSON

Address Line 1: 999 PEACHTREE STREET NE

Address Line 2: SUITE 1300

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	11203-001GEN
NAME OF SUBMITTER:	LAWRENCE A. AARONSON
SIGNATURE:	/Lawrence A. Aaronson/
DATE SIGNED:	01/03/2020

Total Attachments: 6

source=Assignment - IV 147 LLC to CDN Innovations LLC (Expired-Lapsed)#page1.tif

source=Assignment - IV 147 LLC to CDN Innovations LLC (Expired-Lapsed)#page2.tif

source=Assignment - IV 147 LLC to CDN Innovations LLC (Expired-Lapsed)#page3.tif

source=Assignment - IV 147 LLC to CDN Innovations LLC (Expired-Lapsed)#page4.tif

source=Assignment - IV 147 LLC to CDN Innovations LLC (Expired-Lapsed)#page5.tif

source=Assignment - IV 147 LLC to CDN Innovations LLC (Expired-Lapsed)#page6.tif

ASSIGNMENT OF RIGHTS IN CERTAIN ASSETS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures Assets 147 LLC, a Delaware limited liability company, with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("**Assignor**"), does hereby sell, assign, transfer, and convey unto CDN Innovations, LLC, a Georgia limited liability company with an address at 44 Milton Avenue, Suite 254, Alpharetta, GA 30009 ("**Assignee**"), its right, title, and interest in and to any and all of the following provisional patent applications, patent applications, patents, and other governmental grants or issuances of any kind (the "**Certain Assets**"):

Inactive Patent(s) – (Abandoned; Lapsed; Expired)

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
7461058 (09/404597)	US	12/2/2008 (9/24/1999)	Optimized rule based constraints for collaborative filtering systems Rauser, John
(PCT/US2000/019731)	WO	(7/20/2000)	Optimized rule based constraints for collaborative filtering systems Rauser, John
(09/565155)	US	(5/3/2000)	SERVER-SIDE WEB BROWSING AND MULTIPLE LENS SYSTEM, METHOD AND APPARATUS HIANG-SWEE CHIANG
(11/515461)	US	(8/31/2006)	SERVER SIDE WEB BROWSING AND MULTIPLE LENS SYSTEM, METHOD AND APPARATUS Hiang-Swee Chiang
(11/515148)	US	(8/31/2006)	SERVER SIDE WEB BROWSING AND MULTIPLE LENS SYSTEM, METHOD AND APPARATUS Hiang-Swee Chiang
(12/970850)	US	(12/16/2010)	SERVER SIDE WEB BROWSING AND MULTIPLE LENS SYSTEM, METHOD AND APPARATUS

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Hiang Swee Chiang
5968120 (08/850690)	US	10/19/1999 (5/2/1997)	METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVE DISPLAY OF DIGITAL IMAGE STORED AS TILES AT PLURALITY OF RESOLUTIONS OVER A SERVER- CLIENT NETWORK Jacob Leon Guedalia
6535878 (09/045068)	US	3/18/2003 (3/19/1998)	METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVITY OVER A SERVER-CLIENT NETWORK Isaac David Guedalia
CA2287904 (CA2287904)	CA	7/6/2004 (4/9/1998)	A METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVITY OVER A SERVER-CLIENT NETWORK GUEDALIA JACOB LEON
JP3457334 (JP10-547884)	JP	8/1/2003 (4/9/1998)	A METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVITY OVER A SERVER-CLIENT NETWORK GUELDALIA ISAAC DAVID
7925689 (10/209550)	US	4/12/2011 (7/30/2002)	Method and system for providing on- line interactivity over a server-client network Guedalia, Isaac David
7970818 (11/468767)	US	6/28/2011 (8/30/2006)	METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVITY OVER A SERVER-CLIENT NETWORK Isaac David Guedalia

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
8073900 (11/468770)	US	12/6/2011 (8/30/2006)	METHOD AND SYSTEM FOR PROVIDING ON-LINE INTERACTIVITY OVER A SERVER-CLIENT NETWORK ISSAC DAVID GUEDALIA
(PCT/US2001/008715)	WO	(3/19/2001)	METHOD FOR MAPPING AND FORMATTING INFORMATION FOR A DISPLAY DEVICE John H. Fogarty
6697838 (09/564076)	US	2/24/2004 (5/3/2000)	METHOD AND SYSTEM FOR ANNOTATING INFORMATION RESOURCES IN CONNECTION WITH BROWSING IN BOTH CONNECTED AND DISCONNECTED STATES Gabriel Jakobson
6912398 (09/546851)	US	6/28/2005 (4/10/2000)	APPARATUS AND METHOD FOR DELIVERING INFORMATION TO AN INDIVIDUAL BASED ON LOCATION AND/OR TIME David Domnitz
RE41701 (11/819755)	US	9/14/2010 (6/28/2007)	APPARATUS AND METHOD FOR DELIVERING INFORMATION TO AN INDIVIDUAL BASED ON LOCATION AND/OR TIME David Domnitz
RE43430 (12/834132)	US	5/29/2012 (7/12/2010)	APPARATUS AND METHOD FOR DELIVERING INFORMATION TO AN INDIVIDUAL BASED ON LOCATION AND/OR TIME David Domnitz
5926168 (08/523283)	US	7/20/1999 (9/5/1995)	REMOTE POINTERS FOR INTERACTIVE TELEVISIONS

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Nong-Qiang Fan
6535198 (09/280015)	US	3/18/2003 (3/28/1999)	REMOTE CONTROL FOR INTERACTIVE TELEVISION Nong-Qiang Fan
6975301 (10/295416)	US	12/13/2005 (11/16/2002)	REMOTE CONTROL FOR INTERACTIVE TELEVISION Nong-Qiang Fan
(60/125347)	US	(3/19/1999)	COMBINED TELEPHONE PBX AND COMPUTER DATA ROUTER WITH POOLED RESOURCES Jeffery Fitzgerald
(PCT/US2000/006977)	WO	(3/17/2000)	COMBINED TELEPHONE PBX AND COMPUTER DATA ROUTER WITH POOLED RESOURCES Jeffery Fitzgerald
(11/456387)	US	(7/10/2006)	COMBINED TELEPHONE PBX AND COMPUTER DATA ROUTER WITH POOLED RESOURCES Jeffery Fitzgerald
(PCT/US2004/013753)	WO	(5/4/2004)	SYSTEM AND METHOD FOR PROVIDING COMMUNICATIONS SERVICES DURKEE JOSEPH
(CA2526921)	CA	(5/4/2004)	SYSTEM AND METHOD FOR PROVIDING COMMUNICATIONS SERVICES PENCE JOSEPH A
(11/071947)	US	(3/4/2005)	SYSTEM AND METHOD FOR PROVIDING COMMUNICATIONS SERVICES

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			Larry S. Wechter
(11/077333)	US	(3/10/2005)	System and method for providing communications services Larry S. Wechter
(60/260884)	US	(1/12/2001)	Multiwavelength pumps for raman amplifier systems Yongan Wu
EP1126363 (EP01102587.1)	EP	4/28/2004 (2/6/2001)	Method and apparatus for predicting keystrokes on single pointer keyboards BRAND MATTHEW
DE60102955.0 (DE60102955.0)	DE	4/28/2004 (2/6/2001)	Method and apparatus for predicting keystrokes on single pointer keyboards BRAND MATTHEW
FR1126363 (FR01102587.1)	FR	4/28/2004 (2/6/2001)	Method and apparatus for predicting keystrokes on single pointer keyboards BRAND MATTHEW
GB1126363 (GB01102587.1)	GB	4/28/2004 (2/6/2001)	Method and apparatus for predicting keystrokes on single pointer keyboards BRAND MATTHEW
JP4712201 (JP2001-037385)	JP	4/1/2011 (2/14/2001)	METHOD FOR PREDICTING KEYSTROKE CHARACTERS ON SINGLE POINTER KEYBOARDS AND APPARATUS THEREFORE BRAND MATTHEW E
EP1126364 (EP01102588.9)	EP	4/28/2004 (2/6/2001)	Method for arranging keys on a keyboard and apparatus therefore Matthew Brand

<u>Patent/Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
DE60102956.9 (DE60102956.9)	DE	4/28/2004 (2/6/2001)	Method for arranging keys on a keyboard and apparatus therefore Matthew Brand
FR1126364 (FR01102588.9)	FR	4/28/2004 (2/6/2001)	Method for arranging keys on a keyboard and apparatus therefore Matthew Brand
GB1126364 (GB01102588.9)	GB	4/28/2004 (2/6/2001)	Method for arranging keys on a keyboard and apparatus therefore Matthew Brand
JP4705725 (JP2001-037379)	JP	3/18/2011 (2/14/2001)	METHOD FOR DESIGNING OPTIMAL SINGLE POINTER PREDICTIVE KEYBOARDS AND APPARATUS THEREFORE Matthew Brand

Assignor assigns to Assignee all of its rights to the inventions, invention disclosures, and discoveries in the assets listed above, together, with its rights, if any, to revive prosecution of claims under such assets and to sue or otherwise enforce any claims under such assets for past, present or future infringement.

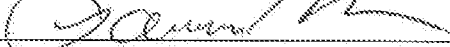
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to make available to Assignee all records regarding the Certain Assets.

The terms and conditions of this Assignment of Rights in Certain Assets 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.

EXECUTED this 15 day of November, 2019, to be effective as of
November 15, 2019.

ASSIGNOR:

INTELLECTUAL VENTURES ASSETS 147 LLC

By: 
Name: Lawrence Froeber
Title: CFO