

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5891833

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
CRESTLINE DIRECT FINANCE, L.P.		12/20/2019
RECEIVING PARTY DATA		
Name:	EMPIRE TECHNOLOGY DEVELOPMENT LLC	
Street Address:	C/O ALLIED INVENTORS, LLC	
Internal Address:	520 PIKE STREET, SUITE 1520	
City:	SEATTLE	
State/Country:	WASHINGTON	
Postal Code:	98101	
PROPERTY NUMBERS Total: 43		
Property Type	Number	
Patent Number:	9330359	
Application Number:	15056055	
Patent Number:	9331966	
Patent Number:	9942183	
Patent Number:	9471574	
Patent Number:	10078637	
Patent Number:	9251177	
Patent Number:	9892197	
Patent Number:	9760926	
Patent Number:	9501660	
Patent Number:	9916473	
Patent Number:	9124730	
Patent Number:	9760912	
Application Number:	15700907	
Patent Number:	9590933	
Patent Number:	10063502	
Patent Number:	9208473	
Patent Number:	9930001	
Patent Number:	9282153	

PATENT

Property Type	Number
Patent Number:	9954964
Patent Number:	9361378
Application Number:	15137301
Patent Number:	9509818
Application Number:	15299840
Patent Number:	9373145
Application Number:	15145920
Patent Number:	10091149
Patent Number:	9569802
Patent Number:	9241035
Patent Number:	9444797
Patent Number:	9602445
Patent Number:	9967215
Application Number:	13643041
Patent Number:	9392049
Patent Number:	9786297
Application Number:	15729126
Patent Number:	9836650
Patent Number:	9967357
Application Number:	14787135
Patent Number:	9898716
Application Number:	14384962
Patent Number:	8700663
Application Number:	13642775

CORRESPONDENCE DATA

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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.

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NAME OF SUBMITTER:	LAURA TREMONT
SIGNATURE:	/Laura Tremont/
DATE SIGNED:	01/02/2020

Total Attachments: 4

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NOTICE OF RELEASE OF SECURITY INTEREST IN PATENTS

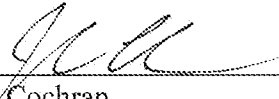
Dated as of December 20, 2019

The lien and security interest evidenced by that certain Patent Security Agreement, dated as of December 28, 2018, executed by, *inter alia*, EMPIRE TECHNOLOGY DEVELOPMENT LLC, a Delaware limited liability company (the "Grantor"), in favor of CRESTLINE DIRECT FINANCE, L.P., as administrative agent (the "Agent"), which was duly recorded on January 29, 2019, at Reel 048373, Frame 0217 in the United States Patent and Trademark Office, and any other right, title or interest granted to the Agent solely in the patents set forth on Schedule 1 attached hereto is hereby terminated, cancelled and released, without representation or warranty, and the Agent hereby re-assigns to the Grantor any right, title or interest it may have in or to any of the patents set forth on Schedule 1.

CRESTLINE DIRECT FINANCE, L.P.,
as Agent

By: Crestline Direct Finance (GP), L.L.C., its general partner

By: Crestline Investors, Inc., its managing member

By: 
Name: John Cochran
Title: Vice President

SCHEDULE 1
Patent Registrations

Title	Status	Country	App. No.	Publication No.	Patent No.
DEGREE OF CLOSENESS BASED ON COMMUNICATION CONTENTS	Issued	US	14/122971	US2015019368 4	9330359
DEGREE OF CLOSENESS BASED ON COMMUNICATION CONTENTS	Published	US	15/056055	US2016018022 7	0
PROCESSING CONNECTION REQUEST IN ONLINE SERVICE	Issued	US	13/701324	US2014001292 8	9331966
PROCESSING CONNECTION REQUEST IN ONLINE SERVICE	Issued	US	15/084879	US2016021208 1	9942183
PROPERTY LIST CUSTOMIZATION	Issued	US	13/805785	US2014003254 6	9471574
PROPERTY LIST CUSTOMIZATION	Issued	US	15/238178	US2016035776 0	10078637
INFORMATION REMOVAL FROM A NETWORK	Issued	US	13/701197	US2013033248 5	9251177
INFORMATION REMOVAL FROM A NETWORK	Issued	US	14/995788	US2016013259 8	9892197
ON DEMAND INFORMATION NETWORK	Issued	US	13/810,818	US2013033917 5	9760926
PRIVACY PROTECTION FOR A LIFE-LOG SYSTEM	Issued	US	14/372925	US2015006788 5	9501660
PRIVACY PROTECTION FOR A LIFE-LOG SYSTEM	Issued	US	15/294868	US2017003214 4	9916473
AUTOMATIC PRIVACY MANAGEMENT FOR IMAGE SHARING NETWORKS	Issued	US	13/519,303	US2013015633 1	9124730
DEVICE TELEMETRY FOR USER EXPERIENCE PREDICTIONS	Issued	US	14/311807	US2015036970 5	9760912
DEVICE TELEMETRY FOR USER EXPERIENCE PREDICTIONS	Allowed	US	15/700907	US2017037238 3	0
GENERATION OF A COMMUNICATION REQUEST BASED ON VISUAL SELECTION	Issued	US	14/387,081	US2016024871 1	9590933
GENERATION OF A COMMUNICATION REQUEST BASED ON VISUAL SELECTION	Issued	US	15/429,881	US2017015560 6	10063502
CONDITIONAL DISCLOSURE OF A RESPONSE TO CONTENT POSTED IN A SOCIAL NETWORK	Lapsed	US	13/878153	US2014014333 4	9208473
CONDITIONAL DISCLOSURE OF A RESPONSE TO CONTENT POSTED IN A SOCIAL NETWORK	Issued	US	14/926417	US2016015658 5	9930001
CONTENT SUGGESTION FOR POSTING ON COMMUNICATION NETWORK	Issued	US	13/816,102	US2014002573 7	9282153
CONTENT SUGGESTION FOR POSTING ON COMMUNICATION NETWORK	Issued	US	15/002,695	US2016014250 0	9954964

DETERMINING RELIABILITY OF ONLINE POST	Issued	US	13/820,714	US20140188910	9361378
DETERMINING RELIABILITY OF ONLINE POST	Abandoned	US	15/137,301	US20160239505	0
AUTOMATIC CONTACTS SORTING	Issued	US	14/409530	US20160248895	9509818
AUTOMATIC CONTACTS SORTING	Abandoned	US	15/299840	US20170041444	0
SOCIAL NETWORK REPORTS	Issued	US	13/502,088	US20130097241	9373145
SOCIAL NETWORK REPORTS	Abandoned	US	15/145,920	US20160246997	0
SPOILER ALERT SCHEME	Issued	US	13/996290	US20140214980	10091149
INVITATION MANAGEMENT BASED ON INVITEE'S BEHAVIOR	Issued	US	14/118090	US20140317026	9569802
ORGANIZATION OF INPUTS FOR ONLINE SERVICE	Issued	US	13/701,359	US20140012914	9241035
PROTECTION OF PRIVATE DATA	Issued	US	14/327814	US20160014094	9444797
REAL-TIME TARGETED MESSAGES	Issued	US	13/582,831	US20130198299	9602445
REAL-TIME TARGETED MESSAGES	Issued	US	15/463,203	US20170195263	9967215
SOCIAL NETWORK RECRUITING ALERTS	Abandoned	US	13/643,041	US20140297547	0
Automatic content forwarding to communication networks of content posted from a user	Issued	US	13/823,104	US20140032663	9392049
IDENTIFICATION BY SOUND DATA	Issued	US	14/420858	US20160254009	9786297
IDENTIFICATION BY SOUND DATA	Published	US	15/729126	US20180033451	0
IDENTIFICATION OF A PHOTOGRAPHER BASED ON AN IMAGE	Issued	US	14/617165	US20160232671	9836650
PROXY SERVICE FACILITATION	Issued	US	14/648001	US20150350363	9967357
ASSISTANCE SERVICE FACILITATION	Published	US	14/787135	US20160171419	0
SOCIAL NETWORK CONSTRUCTION	Issued	US	14/316916	US20150381668	9898716
DATA EXCHANGE BETWEEN MULTIPLE SOURCING DEVICES	Published	US	14/384962	US20160239491	0
Contextual Keyword-Based Access Control	Issued	US	12/536,411	US20100036836	8700663
SOCIAL NETWORK LIMITED OFFER DISTRIBUTION	Abandoned	US	13/642,775	US20140019226	0