

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM588153

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Groupon, Inc.		07/17/2020	Corporation: DELAWARE
LivingSocial, LLC		07/17/2020	Limited Liability Company: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	JPMorgan Chase Bank, N.A.		
<b>Street Address:</b>	10 S. Dearborn Street		
<b>City:</b>	Chicago		
<b>State/Country:</b>	ILLINOIS		
<b>Postal Code:</b>	60603		
<b>Entity Type:</b>	National Banking Association: UNITED STATES		
<b>PROPERTY NUMBERS Total: 90</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	4920349	AMPLIFIER	
<b>Registration Number:</b>	4720984	B	
<b>Registration Number:</b>	4774258	CHATTY CAT	
<b>Registration Number:</b>	5172113	FORM + FOCUS	
<b>Registration Number:</b>	5168546	FORM+FOCUS	
<b>Registration Number:</b>	5275964	FORM + FOCUS	
<b>Registration Number:</b>	4735586	G PASS	
<b>Registration Number:</b>	4448299	G-PASS	
<b>Registration Number:</b>	4867729	GROUPON	
<b>Registration Number:</b>	4874693	GROUPON	
<b>Registration Number:</b>	3685954	GROUPON	
<b>Registration Number:</b>	4744246	GROUPON	
<b>Registration Number:</b>	5201398	GROUPON	
<b>Registration Number:</b>	5224305	GROUPON	
<b>Registration Number:</b>	5224306	GROUPON	
<b>Registration Number:</b>	5201399	GROUPON	
<b>Registration Number:</b>	5119539	GROUPON	
<b>Registration Number:</b>	5793209	ACT NOW GROUPON	
<b>TRADEMARK</b>			

CH \$2265.00 4920349

Property Type	Number	Word Mark
Registration Number:	4302184	GROUPON GOODS
Registration Number:	5570694	GROUPON GOODS GATEWAY
Registration Number:	5570693	GROUPON GOODS GATEWAY
Registration Number:	4606880	GROUPON GRASSROOTS
Registration Number:	5100539	GROUPON
Registration Number:	4222645	GROUPON
Registration Number:	5219206	GROUPON MERCHANT
Registration Number:	5360422	GROUPONMERCHANT
Registration Number:	5360423	GROUPONMERCHANT
Registration Number:	5228797	GROUPON MERCHANT
Registration Number:	5228796	GROUPON MERCHANT
Registration Number:	5219207	GROUPON MERCHANT
Registration Number:	5166603	GROUPON PAYMENTS
Registration Number:	5563833	GROUPON PEOPLE
Registration Number:	4283740	GROUPON RESERVE
Registration Number:	5704982	GROUPON SELECT
Registration Number:	4970391	GROUPON TO GO
Registration Number:	4846131	GROUPON TO GO
Registration Number:	4846130	GROUPON TO GO
Registration Number:	4970389	GROUPON TO GO
Registration Number:	4309987	GROUPON VIP
Registration Number:	5569261	GROUPON VOLUNTEERS
Registration Number:	4774257	GROUPON WINES
Registration Number:	5412952	GROUPON+
Registration Number:	5442615	GROUPON+
Registration Number:	4068591	GROUPONLIVE
Registration Number:	5157898	GROUPONSULTATION
Registration Number:	3965842	GROUPONWORKS
Registration Number:	5532654	HAVE-DONES
Registration Number:	5536280	HAVES
Registration Number:	5393931	IF YOU'RE GOING TO OWN SOMETHING...OWN T
Registration Number:	4774259	JAZZY CAT
Registration Number:	5449075	LIFE IS A LIMITED TIME OFFER
Registration Number:	3886244	LIVINGSOCIAL
Registration Number:	3921220	LIVINGSOCIAL
Registration Number:	5391280	LIVINGSOCIAL
Registration Number:	4055498	LIVINGSOCIAL
Registration Number:	5654358	LOCAL HEART, GLOBAL IMPACT

Property Type	Number	Word Mark
Registration Number:	5654357	
Registration Number:	5242900	LOOK FORWARD WE'VE GOT YOUR BACK
Registration Number:	5536349	LOOK FORWARD WE'VE GOT YOUR BACK
Registration Number:	5219208	
Registration Number:	5228798	
Registration Number:	5219209	
Registration Number:	5038104	OAK & RUSH
Registration Number:	5151587	OLIVE STREET
Registration Number:	4953210	OLIVE STREET
Registration Number:	4941779	ONTEK
Registration Number:	4886789	ONTEK
Registration Number:	5107817	ORDERUP
Registration Number:	5107818	ORDERUP
Registration Number:	5107803	ORDERUP
Registration Number:	5011700	ORDERUP
Registration Number:	5107807	ORDERUP
Registration Number:	5107804	ORDERUP
Registration Number:	5107805	ORDERUP
Registration Number:	5556242	OWN THE EXPERIENCE
Registration Number:	4941342	RESTAURANTS PLUS
Registration Number:	6081945	REWRITE THE LIST
Registration Number:	4793339	SNAP BY GROUPON
Registration Number:	4780646	SNAP BY GROUPON
Registration Number:	4774260	SNAZZY CAT
Registration Number:	5046149	SOCIOLOGY
Registration Number:	4937119	
Registration Number:	4665537	STAMPEDE
Registration Number:	5242899	TAKE THE NEXT STEP TO GROW YOUR BUSINESS
Registration Number:	5242898	TAKE THE NEXT STEP TO GROW YOUR BUSINESS
Registration Number:	4828538	TOP CAT
Registration Number:	4946594	
Registration Number:	4938544	
Registration Number:	5032528	WEXLEY HOME
Registration Number:	5649670	YOU ONLY LIVE ONCE. BUT YOU CAN ALWAYS L

**CORRESPONDENCE DATA**

Fax Number: 3127069000

*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.*

**TRADEMARK**

**REEL: 007006 FRAME: 0376**

**Phone:** 3127018209  
**Email:** mmthomas@mayerbrown.com, mdecember@mayerbrown.com  
**Correspondent Name:** Madelaine M. Thomas  
**Address Line 1:** 71 S. Wacker Drive  
**Address Line 2:** Mayer Brown LLP  
**Address Line 4:** Chicago, ILLINOIS 60606

<b>ATTORNEY DOCKET NUMBER:</b>	14452363
<b>NAME OF SUBMITTER:</b>	Madelaine M. Thomas
<b>SIGNATURE:</b>	/Madelaine M. Thomas/
<b>DATE SIGNED:</b>	07/23/2020

**Total Attachments: 35**

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## PATENT AND TRADEMARK SECURITY AGREEMENT

This **PATENT AND TRADEMARK SECURITY AGREEMENT**, dated as of July 17, 2020 (as it may be amended, restated, supplemented or otherwise modified from time to time, this “**Agreement**”), is made by the grantors signatory hereto (the “**Grantors**” and each a “**Grantor**”) in favor of JPMorgan Chase Bank, N.A., in its capacity as administrative agent (the “**Administrative Agent**”) for the Secured Parties (as defined in the Pledge and Security Agreement, defined below).

**WHEREAS**, Groupon, Inc., a Delaware corporation (“**Groupon**”), various financial institutions and the Administrative Agent are parties to that certain Second Amended and Restated Credit Agreement dated as of May 14, 2019, as amended by that certain first amendment thereto dated as of July 17, 2020 (as further amended, restated, supplemented or otherwise modified from time to time, the “**Credit Agreement**”);

**WHEREAS**, the Grantors, each subsidiary of Groupon party thereto and the Administrative Agent are parties to that certain Second Amended and Restated Subsidiary Guaranty dated as of May 14, 2019 (as amended, restated, supplemented or otherwise modified from time to time, the “**Subsidiary Guaranty**”);

**WHEREAS**, the Grantors, each subsidiary of Groupon party thereto and the Administrative Agent have agreed to amend and restate that certain Second Amended and Restated Pledge and Security Agreement dated as of May 14, 2019 pursuant to a Third Amended and Restated Pledge and Security Agreement dated as of July 17, 2020 (as amended, restated, supplemented or otherwise modified from time to time, the “**Pledge and Security Agreement**”);

**WHEREAS**, the parties hereto have agreed to enter into this Patent and Trademark Security Agreement;

**NOW, THEREFORE**, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, each Grantor hereby agrees with the Administrative Agent as follows:

### **SECTION 1. Defined Terms**

Unless otherwise defined herein, terms defined in the Pledge and Security Agreement and used herein have the meaning given to them in the Pledge and Security Agreement.

### **SECTION 2. Grant of Security Interest**

**SECTION 2.1 Grant of Security.** Each Grantor hereby pledges, assigns and grants to the Administrative Agent, on behalf of and for the ratable benefit of the Secured Parties, a security interest in all of its right, title and interest in, to and under the following, whether now owned by or owing to, or hereafter acquired by or arising in favor of such Grantor (including under any trade name or derivations thereof), and regardless of where located (collectively, the “**Patent and Trademark Collateral**”):

(a) Trademarks. (i) All trademarks (including service marks), trade names, trade dress, and trade styles and the registrations and applications for registration thereof and the goodwill of the business symbolized by the foregoing (including, without limitation, each trademark application and registration listed on Schedule A hereto under the heading “Trademarks”; (ii) all Licenses of the foregoing, whether as licensee or licensor; (iii) all renewals of the foregoing; (iv) all income, royalties, damages, and payments now or hereafter due or payable with respect thereto, including, without limitation, damages, claims, and payments for past and future infringements thereof; (v) all rights to sue for past, present, and future infringements of the foregoing, including the right to settle suits involving

claims and demands for royalties owing; and (vi) all rights corresponding to any of the foregoing throughout the world.

(b) Patents. (i) Any and all patents and patent applications, including, without limitation, each patent application and registration listed on Schedule A hereto under the heading "Patents"; (ii) all inventions and improvements described and claimed therein; (iii) all reissues, divisions, continuations, renewals, extensions, and continuations-in-part thereof; (iv) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages and payments for past and future infringements thereof; (v) all rights to sue for past, present, and future infringements thereof; and (vi) all rights corresponding to any of the foregoing throughout the world.

(c) Licensing. (i) any and all licensing agreements or similar arrangements in and to its Patents or Trademarks including each agreement listed in Schedule A attached hereto under the heading "Patent and Trademark Licenses", (ii) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages and payments for past and future breaches thereof, and (iii) all rights to sue for past, present, and future breaches thereof.

**SECTION 2.2 Certain Limited Exclusions.** Notwithstanding anything herein to the contrary, in no event shall the Patent and Trademark Collateral include or the security interest granted under Section 2.1 hereof attach to any agreement, license or covenant to which a Grantor is a party, and any of its rights or interest thereunder, if and to the extent that a security interest is prohibited by or in violation of (i) any law, rule or regulation applicable to such Grantor, (ii) any lease, license or agreement or any property subject to a purchase money security interest or similar arrangement to the extent that a grant of a security interest therein would violate or invalidate such lease, license or agreement or purchase money arrangement or create a right of termination in favor of any other party thereto after giving effect to the applicable anti-assignment provisions of the UCC or other applicable law, other than proceeds and receivables thereof, the assignment of which is expressly deemed effective under the UCC or other applicable law notwithstanding such prohibition, *provided that* the Patent and Trademark Collateral shall include and such security interest shall attach immediately at such time as the condition causing such violation, invalidation or right of termination shall be remedied and to the extent severable, shall attach immediately to any portion of such lease, license, agreement, property subject to a purchase money security interest or similar arrangement that does not result in any of the consequences specified above or (iii) any intent-to-use trademark application prior to the filing of a "Statement of Use" or "Amendment to Allege Use" with respect thereto, to the extent, if any, that, and solely during the period, if any, in which, the grant of a security interest therein would impair the validity or enforceability of such intent-to-use trademark application under applicable federal law.

### **SECTION 3. Security Agreement**

The security interest granted pursuant to this Agreement is granted in conjunction with the security interest granted to the Administrative Agent on behalf of and for the ratable benefit of the Secured Parties pursuant to the Pledge and Security Agreement, and the Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Patent and Trademark Collateral made and granted hereby are more fully set forth in the Pledge and Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Agreement is deemed to conflict with the Pledge and Security Agreement, the provisions of the Pledge and Security Agreement shall control.

### **SECTION 4. Choice of Law**

**THIS SECURITY AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.**

**SECTION 5. Counterparts**

This Agreement may be executed in any number of counterparts, all of which taken together shall constitute one agreement, and any of the parties hereto may execute this Agreement by signing any such counterpart. Delivery of an executed counterpart of a signature page of this Agreement by facsimile or other electronic transmission shall be effective as delivery of a manually executed counterpart of this Agreement.

[Remainder of page intentionally left blank]

**IN WITNESS WHEREOF**, each Grantor has caused this Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

**Grantors:**

**GROUPON, INC.**

DocuSigned by:  
*Melissa Thomas*  
8FF6A694C748479...  
By: \_\_\_\_\_  
Name: Melissa Thomas  
Title: Chief Financial Officer

**LIVINGSOCIAL, LLC (f/k/a LivingSocial, Inc.)**

By: Groupon, Inc., its sole member  
DocuSigned by:  
*Melissa Thomas*  
8FF6A694C748479...  
By: \_\_\_\_\_  
Name: Melissa Thomas  
Title: Chief Financial Officer

[Signature Page to Patent and Trademark Security Agreement]



Accepted and Agreed:  
JPMORGAN CHASE BANK, N.A.  
as Administrative Agent

By:  \_\_\_\_\_

Name: Min Park  
Title: Executive Director

**SCHEDULE A  
TO PATENT AND TRADEMARK SECURITY AGREEMENT**

**PATENTS**

**See attached**

Owner	Reference #	Serial #	Filed Date	Title	Publication #	Patent #	Issue Date	Status	Country ID
Groupon, Inc.	426643	09/605,818	6/28/2000	System And Method For Utilizing Redemption Information		7,627,498	12/1/2009	ISSUED	US
Groupon, Inc.	432801	11/307,262	1/30/2006	System For Providing A Service To Venues Where People Aggregate	2007-0179792	7,788,188	8/31/2010	ISSUED	US
Groupon, Inc.	426578	11/404,102	4/13/2006	Pay-For-Visit Advertising Based On Visits To Physical Locations	2007-0185768	8,311,845	11/13/2012	ISSUED	US
Groupon, Inc.	444859	11/688,761	3/20/2007	Location Based Advertising Systems		8,315,905	11/20/2012	ISSUED	US
Groupon, Inc.	426597	11/697,617	4/6/2007	Facilitating User Interactions Based On Proximity	2007-0237096	7,840,224	11/23/2010	ISSUED	US
Groupon, Inc.	426571	12/082,836	4/14/2008	Location-Based Information Determination	2009-0005968	7,953,548	5/31/2011	ISSUED	US
Groupon, Inc.	426573	12/150,565	4/28/2008	Determining Locations Of Interest Based On User Visits	2009-0005987	8,135,505	3/13/2012	ISSUED	US
Groupon, Inc.	427060	12/119,465	5/12/2008	Sentiment Extraction From Consumer Reviews For Providing Product Recommendations	2009-0282019	9,646,078	5/9/2017	ISSUED	US
Groupon, Inc.	426809	12/169,599	7/8/2008	Implicitly Associating Metadata Using User Behavior		9,235,848	1/12/2016	ISSUED	US
Groupon, Inc.	432802	12/161,554	7/18/2008	System For Providing A Service To Venues Where People Aggregate	2008-0306826	7,856,360	12/21/2010	ISSUED	US
Groupon, Inc.	432789	12/182,592	7/30/2008	System For Marketing Campaign Specification And Secure Digital Coupon Redemption	2009-0024477	8,103,519	1/24/2012	ISSUED	US
Groupon, Inc.	488870	12/277,237	11/24/2008	Ranking Interactions Between Users On The Internet	2009-0217178	8,499,247	7/30/2013	ISSUED	US
Groupon, Inc.	432807	12/396,467	3/2/2009	Method For Providing Information To Contacts Without Being Given Contact Data	2010-0223097	9,235,842	1/12/2016	ISSUED	US
Groupon, Inc.	426777	12/592,947	12/4/2009	System And Methods For Discount Retailing	2010-0287044	8,301,495	10/30/2012	ISSUED	US
Groupon, Inc.	426769	12/776,028	5/7/2010	System And Methods For Discount Retailing	2010-0287103	8,355,948	1/15/2013	ISSUED	US
Groupon, Inc.	488866	12/906,876	10/18/2010	Systems And Methods To Implement Point Of Sale (POS) Terminals, Process Orders And	2011-0125566	9,275,407	3/1/2016	ISSUED	US
Groupon, Inc.	426580	12/950,709	11/19/2010	Facilitating User Interactions Based On Proximity	2011-0151892	8,150,439	4/3/2012	ISSUED	US
Groupon, Inc.	426768	13/050,771	3/17/2011	System And Methods For Providing Location Based Discount Retailing	2011-0313840	8,650,072	2/11/2014	ISSUED	US
Groupon, Inc.	525262	13/176,883	7/6/2011	System and Method for Incentives	2013-0080239	10,521,813	12/31/2019	ISSUED	US
Groupon, Inc.	426807	13/219,344	8/26/2011	Embedded Storefront		9,679,305	6/13/2017	ISSUED	US
Groupon, Inc.	432826	13/329,307	12/18/2011	System For Marketing Campaign Specification And Secure Digital Coupon Redemption	2012-0089453	8,583,447	11/12/2013	ISSUED	US
Groupon, Inc.	488868	13/354,947	1/20/2012	Systems And Methods To Implement Point Of Sale (POS) Terminals, Process Orders And	2012-0191522	10,102,591	10/16/2018	ISSUED	US
Groupon, Inc.	426581	13/363,239	1/31/2012	Facilitating User Interactions Based On Proximity	2012-0329483	9,614,921	4/4/2017	ISSUED	US
Groupon, Inc.	426575	13/385,103	2/1/2012	Determining Locations Of Interest Based On User Visits	2012-0310736	8,756,011	6/17/2014	ISSUED	US
Groupon, Inc.	488864	13/405,664	2/27/2012	Merchant Deal Creation And Redemption System	2012-0226540	10,657,569	5/19/2020	ISSUED	US
Groupon, Inc.	426576	13/418,208	3/12/2012	Method And System For Enabling The Creation And Maintenance Of Proximity-Related User Groups	2013-0035114	9,100,454	8/4/2015	ISSUED	US
Groupon, Inc.	426577	13/436,461	3/30/2012	Dynamic Awarding Of Prizes In Chance-Based Contests		9,142,081	9/22/2015	ISSUED	US

Groupon, Inc.	436789	13/444,678	4/11/2012	System, Method, And Computer Program Product For Automated Discovery, Curation and Editing Of		9,384,211	7/5/2016	ISSUED	US
Groupon, Inc.	436800	13/444,691	4/11/2012	System, Method, And Computer Program Product For Generation Of Local Content Corpus		9,563,644	2/7/2017	ISSUED	US
Groupon, Inc.	426805	13/452,469	4/20/2012	Circle Model Powered Suggestions And Activities		9,292,880	3/22/2016	ISSUED	US
Groupon, Inc.	488862	13/467,168	5/9/2012	Facilitating End-To-End Encryption For E-Commerce		10,607,218	3/31/2020	ISSUED	US
Groupon, Inc.	431933	13/470,338	5/13/2012	System And Method For Providing Links To Content To Users Based On Similar Other Users		9,489,352	11/8/2016	ISSUED	US
Groupon, Inc.	426788	13/481,407	5/25/2012	Computing Early Adopters And Potential Influencers Using Transactional Data And Network	2013-0132158	10,580,022	3/3/2020	ISSUED	US
Groupon, Inc.	426579	13/612,594	9/12/2012	Pay-For-Visit Advertising Based On Visits To Physical Locations	2013-0006770	10,380,658	8/13/2019	ISSUED	US
Groupon, Inc.	426793	13/617,515	9/14/2012	Systems And Methods For Discount Retailing	2013-0185135	8,903,733	12/2/2014	ISSUED	US
Groupon, Inc.	469333	13/573,783	10/3/2012	Offline Location-Based Consumer Metrics Using Online Signals		9,508,082	11/29/2016	ISSUED	US
Groupon, Inc.	425482	13/657,728	10/22/2012	Executing Multiple Transactions Using Trigger Inputs	2013-0103538	9,665,898	5/30/2017	ISSUED	US
Groupon, Inc.	428879	13/744,141	1/17/2013	Email Suggestor System	2013-0185311	9,223,774	12/29/2015	ISSUED	US
Groupon, Inc.	428783	13/749,272	1/24/2013	Method, Apparatus, And Computer Readable Medium For Providing A Self-Service Interface	2014-0207584	10,304,093	5/28/2019	ISSUED	US
Groupon, Inc.	432779	13/751,035	1/25/2013	System And Method For Providing Mobile Alerts To Members Of A Social Network	2013-0137464	9,105,039	8/11/2015	ISSUED	US
Groupon, Inc.	425364	13/773,184	2/21/2013	Method For Testing Mobile Application And Associated Apparatus And System		9,208,063	12/8/2015	ISSUED	US
Groupon, Inc.	427410	13/783,503	3/4/2013	Method, Apparatus, And Computer Readable Medium For Providing A Digital Unwrapping	2014-0249953	10,096,056	10/9/2018	ISSUED	US
Groupon, Inc.	430869	13/790,763	3/8/2013	Optimizing A Data Integration Process		9,235,652	1/12/2016	ISSUED	US
Groupon, Inc.	424976	13/794,529	3/11/2013	Consumer Device Based Point-Of-Sale		9,576,286	2/21/2017	ISSUED	US
Groupon, Inc.	425362	13/797,570	3/12/2013	Discovery Of New Business Openings Using Web Content Analysis		9,122,710	9/1/2015	ISSUED	US
Groupon, Inc.	424988	13/797,264	3/12/2013	Employee Profile For Customer Assignment, Analytics And Payments		10,482,511	11/19/2019	ISSUED	US
Groupon, Inc.	428910	13/800,536	3/13/2013	Method, Apparatus, And Computer Program Product For Ranking Content Channels	2014-0046937	9,177,031	11/3/2015	ISSUED	US
Groupon, Inc.	428915	13/801,610	3/13/2013	Consumer Presence Based Deal Offers	2014-0108108	10,235,692	3/19/2019	ISSUED	US
Groupon, Inc.	425360	13/826,757	3/14/2013	Method, Apparatus, And Computer Program Product For Determining A Provider Return		9,330,357	5/3/2016	ISSUED	US
Groupon, Inc.	428571	13/826,333	3/14/2013	Method, Apparatus, And Computer Program Product For Forecasting Demand		9,947,022	4/17/2018	ISSUED	US
Groupon, Inc.	428585	13/804,403	3/14/2013	Method, Apparatus, And Computer Program Product For Identifying A Service Need Via A		9,947,021	4/17/2018	ISSUED	US
Groupon, Inc.	428581	13/826,464	3/14/2013	Method, Apparatus, And Computer Program Product For Lead Assignment		10,255,567	4/9/2019	ISSUED	US
Groupon, Inc.	428572	13/826,866	3/14/2013	Method, Apparatus, And Computer Program Product For Calculating A Provider Quality		10,346,887	7/9/2019	ISSUED	US
Groupon, Inc.	427408	13/841,247	3/15/2013	Presence Detection Based On Crowd Surfing Signal Strength		9,002,375	4/7/2015	ISSUED	US

Groupon, Inc.	430708	13/835,276	3/15/2013	Method And System For Determining Location Of Mobile Device	2013-0260789	9,226,110	12/29/2015	ISSUED	US
Groupon, Inc.	430948	13/842,449	3/15/2013	Generic Message Injection System		9,779,424	10/3/2017	ISSUED	US
Groupon, Inc.	436868	13/838,918	3/15/2013	Deal Allocation Platform		10,115,129	10/30/2018	ISSUED	US
Groupon, Inc.	431022	13/839,414	3/15/2013	Online Ordering For In-Shop Service	2015-0046271	10,147,130	12/4/2018	ISSUED	US
Groupon, Inc.	436898	13/838,452	3/15/2013	Inbox Management System	2014-0006139	10,198,742	2/5/2019	ISSUED	US
Groupon, Inc.	430830	13/832,804	3/15/2013	Method For Determining Provider Parameters Including A Provider Margin		10,235,696	3/19/2019	ISSUED	US
Groupon, Inc.	428907	13/839,226	3/15/2013	Deal Generation Using Point-Of-Sale Systems And Related Methods		10,304,091	5/28/2019	ISSUED	US
Groupon, Inc.	436897	13/838,711	3/15/2013	Cadence Management System For Consumer Promotions		10,325,284	6/18/2019	ISSUED	US
Groupon, Inc.	436876	13/839,360	3/15/2013	Dynamic Promotion Analytics		10,346,870	7/9/2019	ISSUED	US
Groupon, Inc.	436889	13/839,036	3/15/2013	Promotion System For Determining And Correcting For Insufficiency Of Promotion Data		10,360,580	7/23/2019	ISSUED	US
Groupon, Inc.	428895	13/842,726	3/15/2013	Facilitating Consumer Payments And Redemptions Of Deal Offers		10,373,184	8/6/2019	ISSUED	US
Groupon, Inc.	431246	13/842,813	3/15/2013	Facilitating Consumer Payments And Redemptions Of Deal Offers		10,373,186	8/6/2019	ISSUED	US
Groupon, Inc.	430922	13/842,379	3/15/2013	Pull-Type Searching System		10,395,276	8/27/2019	ISSUED	US
Groupon, Inc.	436895	13/838,874	3/15/2013	Reimpression Promotion System		10,430,824	10/1/2019	ISSUED	US
Groupon, Inc.	436887	13/839,499	3/15/2013	Deal Program Life Cycle		10,535,076	1/14/2020	ISSUED	US
Groupon, Inc.	430974	13/841,854	3/15/2013	Method And Apparatus For Return On Investment Impact Reporting	2014-0114741	10,614,480	4/7/2020	ISSUED	US
Groupon, Inc.	428900	13/833,548	3/15/2013	Generating Promotion Offers And Providing Analytics Data		10,664,861	5/26/2020	ISSUED	US
Groupon, Inc.	431610	13/861,874	4/12/2013	Centralized, Scalable, Resource Monitoring System		9,304,663	4/5/2016	ISSUED	US
Groupon, Inc.	432888	13/875,019	5/1/2013	Consumer Device Based Point-Of-Sale	2015-0046276	9,852,409	12/26/2017	ISSUED	US
Groupon, Inc.	428582	13/893,044	5/13/2013	Method, Apparatus, And Computer Program Product For Classification And Tagging Of		9,330,167	5/3/2016	ISSUED	US
Groupon, Inc.	488865	13/903,678	5/28/2013	Managing Merchant Communications	2013-0325705	10,628,880	4/21/2020	ISSUED	US
Groupon, Inc.	431407	13/908,802	6/3/2013	Dynamic Customized Electronic Message Content Generation		10,044,650	8/7/2018	ISSUED	US
Groupon, Inc.	433462	13/913,887	6/10/2013	Method And Apparatus For Determining Promotion Pricing Parameters		10,192,243	1/29/2019	ISSUED	US
Groupon, Inc.	431762	13/918,650	6/14/2013	Configurable Relevance Service Test Platform		9,978,084	5/22/2018	ISSUED	US
Groupon, Inc.	433475	13/922,750	6/20/2013	Method And Apparatus For Promotion Template Generation		10,664,876	5/26/2020	ISSUED	US
Groupon, Inc.	488874	13/926,513	6/25/2013	Customized Deal Generation	2014-0379513	10,275,786	4/30/2019	ISSUED	US
Groupon, Inc.	435246	13/928,011	6/26/2013	Method And Apparatus For Creating Web Content And Identifying Advertisements For		10,417,667	9/17/2019	ISSUED	US

Groupon, Inc.	433362	13/929,253	6/27/2013	Fine Print Builder		10,255,620	4/9/2019	ISSUED	US
Groupon, Inc.	434293	13/930,833	6/28/2013	Systems And Methods For Providing Promotion Sharing Among Consumers		10,032,182	7/24/2018	ISSUED	US
Groupon, Inc.	433365	13/929,977	6/28/2013	Predictive Recommendation System		10,325,285	6/18/2019	ISSUED	US
Groupon, Inc.	435213	13/930,532	6/28/2013	Method And Apparatus For Generating An Electronic Communication		10,373,210	8/6/2019	ISSUED	US
Groupon, Inc.	432001	13/930,519	6/28/2013	Method And Apparatus For Generating An Electronic Communication		10,387,902	8/20/2019	ISSUED	US
Groupon, Inc.	435212	13/930,527	6/28/2013	Method And Apparatus For Generating An Electronic Communication		10,423,977	9/24/2019	ISSUED	US
Groupon, Inc.	488871	13/932,224	7/1/2013	Ranking Interactions Between Users On The Internet	2013-0297623	8,898,579	11/25/2014	ISSUED	US
Groupon, Inc.	493383	13/966,187	8/13/2013	Incentivizing Sharing In Social Networks		10,482,487	11/19/2019	ISSUED	US
Groupon, Inc.	436936	13/969,008	8/16/2013	Method, Apparatus, And Computer Program Product For Classification Of Documents		9,589,184	3/7/2017	ISSUED	US
Groupon, Inc.	437743	14/038,644	9/26/2013	Multi-Term Query Subsumption For Document Classification		9,411,905	8/9/2016	ISSUED	US
Groupon, Inc.	437740	14/038,661	9/26/2013	Dynamic Clustering For Streaming Data		9,465,857	10/11/2016	ISSUED	US
Groupon, Inc.	436620	14/038,641	9/26/2013	Automated Deal Guide User Interface		10,229,432	3/12/2019	ISSUED	US
Groupon, Inc.	436611	14/038,610	9/26/2013	Automated Deal Guide Optimization		10,475,063	11/12/2019	ISSUED	US
Groupon, Inc.	436616	14/038,629	9/26/2013	Automated Deal Guide Structure Identification		10,475,083	11/12/2019	ISSUED	US
Groupon, Inc.	437040	14/039,473	9/27/2013	Method, Apparatus, And Computer Program Product For Consumer Tracking		9,563,900	2/7/2017	ISSUED	US
Groupon, Inc.	437724	14/040,331	9/27/2013	Systems And Methods For Providing Customer Facing Point-Of-Sale Interfaces	2015-0095133	9,928,493	3/27/2018	ISSUED	US
Groupon, Inc.	436927	14/039,842	9/27/2013	Method, Apparatus, And Computer Readable Medium For Providing A Self-Service Interface		9,996,859	6/12/2018	ISSUED	US
Groupon, Inc.	437170	14/038,949	9/27/2013	Method, Apparatus, And Computer Program Product For Providing Real Time Incentives		10,304,077	5/28/2019	ISSUED	US
Groupon, Inc.	436610	14/041,890	9/30/2013	Automated Approval Of Generated Promotions		10,346,885	7/9/2019	ISSUED	US
Groupon, Inc.	434231	14/052,542	10/11/2013	System For Marketing Campaign Specification And Secure Digital Coupon Redemption	2014-0195322	10,096,039	10/9/2018	ISSUED	US
Groupon, Inc.	438965	14/088,248	11/22/2013	Automated Dynamic Data Quality Assessment		9,390,112	7/12/2016	ISSUED	US
Groupon, Inc.	439983	14/088,247	11/22/2013	Automated Adaptive Data Analysis Using Dynamic Data Quality Assessment		9,600,776	3/21/2017	ISSUED	US
Groupon, Inc.	439553	14/104,434	12/12/2013	System, Method, Apparatus, And Computer Program Product For Providing A Cache Mechanism		10,360,159	7/23/2019	ISSUED	US
Groupon, Inc.	438915	14/106,203	12/13/2013	Method, Apparatus, And Computer Program Product For Providing A Search Feedback		10,147,104	12/4/2018	ISSUED	US
Groupon, Inc.	438914	14/132,850	12/18/2013	Exporter		9,135,235	9/15/2015	ISSUED	US
Groupon, Inc.	441558	14/189,983	2/25/2014	Promotion Redemption And Payment Gateway		9,916,579	3/13/2018	ISSUED	US
Groupon, Inc.	443664	14/207,444	3/12/2014	Groupon App Distribution		10,269,043	4/23/2019	ISSUED	US

Groupon, Inc.	441687	14/211,840	3/14/2014	System For Providing Impressions Based On Consumer Preferences For Future Promotions		10,223,709	3/5/2019	ISSUED	US
Groupon, Inc.	443179	14/230,980	3/31/2014	Learning User Interface	2015-0213357	9,582,145	2/28/2017	ISSUED	US
Groupon, Inc.	443180	14/230,996	3/31/2014	Learning User Interface Having Dynamic Icons With A First And Second Visual Bias	2015-0212689	9,665,240	5/30/2017	ISSUED	US
Groupon, Inc.	443181	14/231,015	3/31/2014	Learning User Interface	2015-0213547	9,804,737	10/31/2017	ISSUED	US
Groupon, Inc.	443178	14/230,970	3/31/2014	Learning User Interface	2015-0213545	10,001,902	6/19/2018	ISSUED	US
Groupon, Inc.	443470	14/231,385	3/31/2014	Predictive Recommendation System Using Price Boosting		10,210,536	2/19/2019	ISSUED	US
Groupon, Inc.	444348	14/231,362	3/31/2014	Predictive Recommendation System Using Absolute Relevance		10,210,548	2/19/2019	ISSUED	US
Groupon, Inc.	444349	14/231,222	3/31/2014	Predictive Recommendation System Using Contextual Relevance		10,210,547	2/19/2019	ISSUED	US
Groupon, Inc.	446351	14/269,765	5/5/2014	Determining Locations Of Interest Based On User Visits	2015-0106206	10,546,323	1/28/2020	ISSUED	US
Groupon, Inc.	441657	14/279,933	5/16/2014	Obfuscation of Email Addresses		9,756,000	9/5/2017	ISSUED	US
Groupon, Inc.	459204	14/283,151	5/20/2014	Visitor Detection Unit And Identification System		9,953,493	4/24/2018	ISSUED	US
Groupon, Inc.	445661	14/312,591	6/23/2014	Interactive Personalized Graphical Feedback Overlay		10,228,829	3/12/2019	ISSUED	US
Groupon, Inc.	446391	14/312,588	6/23/2014	Seamless Promotion Redemption		10,552,868	2/4/2020	ISSUED	US
Groupon, Inc.	446895	14/316,253	6/26/2014	Method, Apparatus, And Computer Program Product For Calculating A Supply Based On		9,940,635	4/10/2018	ISSUED	US
Groupon, Inc.	443332	14/316,228	6/26/2014	Method, Apparatus, And Computer Program Product For Classifying User Search Data		9,947,024	4/17/2018	ISSUED	US
Groupon, Inc.	446894	14/316,245	6/26/2014	Method, Apparatus, And Computer Program Product For Forecasting Demand Using Real		10,032,180	7/24/2018	ISSUED	US
Groupon, Inc.	446941	14/316,270	6/26/2014	Method, Apparatus, And Computer Program Product For Providing A Dashboard		10,108,974	10/23/2018	ISSUED	US
Groupon, Inc.	446896	14/316,264	6/26/2014	Method, Apparatus, And Computer Program Product For Setting A Benchmark Conversion		10,242,373	3/26/2019	ISSUED	US
Groupon, Inc.	445662	14/316,298	6/26/2014	Method, Apparatus, System, And Computer Program Product For Selecting An Image Associated		10,269,041	4/23/2019	ISSUED	US
Groupon, Inc.	448152	14/453,179	8/6/2014	Method and Apparatus for Generating An Electronic Communication		9,684,910	6/20/2017	ISSUED	US
Groupon, Inc.	448097	14/454,675	8/7/2014	Systems And Methods For Providing Customer Facing Point-Of-Sale Interfaces	2015-0095134	10,163,089	12/25/2018	ISSUED	US
Groupon, Inc.	448094	14/453,911	8/7/2014	Automated Deal Guide Optimization		10,546,316	1/28/2020	ISSUED	US
Groupon, Inc.	448098	14/454,673	8/7/2014	Communication Beacon Based Promotions For Mobile Devices		10,643,243	5/5/2020	ISSUED	US
Groupon, Inc.	451699	14/479,267	9/5/2014	Method And Apparatus For Providing Promotion Recommendations		10,163,129	12/25/2018	ISSUED	US
Groupon, Inc.	449913	14/494,053	9/23/2014	Method, Apparatus, And Computer Program Product For Auto-Replenishing An Inventory Of		9,619,817	4/11/2017	ISSUED	US
Groupon, Inc.	449909	14/495,747	9/24/2014	Systems And Methods For Providing Multiple Items To Consumers		10,102,562	10/16/2018	ISSUED	US
Groupon, Inc.	449911	14/495,750	9/24/2014	Systems And Methods For Providing Shared Promotion Redemptions		10,438,188	10/8/2019	ISSUED	US

Groupon, Inc.	449914	14/495,790	9/24/2014	Systems And Methods For Providing Streamlined Multiple Item Transactions		10,540,686	1/21/2020	ISSUED	US
Groupon, Inc.	449912	14/495,754	9/24/2014	Systems And Methods For Programmatically Grouping Consumers		10,628,815	4/21/2020	ISSUED	US
Groupon, Inc.	488872	14/551,843	11/24/2014	Ranking Interactions Between Users On The Internet	2015-0154309	9,323,858	4/26/2016	ISSUED	US
Groupon, Inc.	454515	14/573,299	12/17/2014	Method, Apparatus, And Computer Program Product For Automated Approval of A		10,417,659	9/17/2019	ISSUED	US
Groupon, Inc.	454531	14/575,396	12/18/2014	System, Apparatus, And Method For Page Composition		9,141,593	9/22/2015	ISSUED	US
Groupon, Inc.	454314	14/578,205	12/19/2014	Processing Dynamic Data Within An Adaptive Oracle-Trained Learning System Using Curated		10,614,373	4/7/2020	ISSUED	US
Groupon, Inc.	454308	14/578,200	12/19/2014	Automatic Selection Of High Quality Training Data Using An Adaptive Oracle-Trained Learning		10,657,457	5/19/2020	ISSUED	US
Groupon, Inc.	455124	14/588,196	12/31/2014	Method And Apparatus For Implementing A Search Index Generator		10,657,177	5/19/2020	ISSUED	US
Groupon, Inc.	458300	14/622,002	2/13/2015	Method And Apparatus For Payment, Return On Investment, And Impact Reporting	2015-0324839	10,558,991	2/11/2020	ISSUED	US
Groupon, Inc.	457014	14/626,363	2/19/2015	Method And System For Facilitating Consumer Interactions for Performing Purchase	2015-0242941	10,115,105	10/30/2018	ISSUED	US
Groupon, Inc.	457018	14/626,395	2/19/2015	Method And System For Adjusting Item Relevance Based On Consumer Interactions	2015-0242942	10,162,513	12/25/2018	ISSUED	US
Groupon, Inc.	457022	14/626,373	2/19/2015	Method And System For Facilitating Consumer Interactions With Promotions	2015-0242902	10,528,250	1/7/2020	ISSUED	US
Groupon, Inc.	457015	14/626,370	2/19/2015	Method And System For A Predefined Suite Of Consumer Interactions For Initiating	2015-0242937	10,628,027	4/21/2020	ISSUED	US
Groupon, Inc.	457017	14/629,788	2/24/2015	Method, Apparatus, And Computer Readable Medium For Group Gifting In A Randomized		10,650,436	5/12/2020	ISSUED	US
Groupon, Inc.	457447	14/638,703	3/4/2015	Presence Detection Based On Crowd Surfing Signal Strength	2015-0245177	9,154,916	10/6/2015	ISSUED	US
Groupon, Inc.	457046	14/671,878	3/27/2015	Forecasting Demand Using Hierarchical Temporal Memory		10,558,925	2/11/2020	ISSUED	US
Groupon, Inc.	460974	14/693,721	4/22/2015	Generating Optimized In-Channel And Cross-Channel Promotion Recommendations Using Free		10,699,299	6/30/2020	ISSUED	US
Groupon, Inc.	460972	14/709,296	5/11/2015	Real-Time Predictive Recommendation System Using Per-Set Optimization		10,497,025	12/3/2019	ISSUED	US
Groupon, Inc.	463001	14/727,852	6/1/2015	Method And System For Programmatic Analysis Of Consumer Reviews		9,317,566	4/19/2016	ISSUED	US
Groupon, Inc.	462793	14/727,591	6/1/2015	Graph-Based Compression of Data Records		9,355,114	5/31/2016	ISSUED	US
Groupon, Inc.	464555	14/748,983	6/24/2015	Method And System For Enabling The Creation And Maintenance Of Proximity-Related User Groups	2016-0088100	9,380,120	6/28/2016	ISSUED	US
Groupon, Inc.	458643	14/749,348	6/24/2015	Mobile Visual Locator		10,373,204	8/6/2019	ISSUED	US
Groupon, Inc.	460801	14/755,585	6/30/2015	Method And Apparatus For Identifying Related Records		10,102,308	10/16/2018	ISSUED	US
Groupon, Inc.	462945	14/788,488	6/30/2015	Systems, Apparatus, And Methods Of Programmatically Determining Unique Contacts Based On		10,410,225	9/10/2019	ISSUED	US
Groupon, Inc.	462997	14/788,479	6/30/2015	Systems and Methods For Providing Dimensional Promotional Offers		10,438,229	10/8/2019	ISSUED	US
Groupon, Inc.	465108	14/794,211	7/8/2015	Dynamic Awarding Of Prizes In Chance-Based Contests	2015-0310701	9,846,988	12/19/2017	ISSUED	US
Groupon, Inc.	434223	14/803,993	7/20/2015	Verification Of Redemption Of An Electronic Offer	2016-0048863	9,824,371	11/21/2017	ISSUED	US



Groupon, Inc.	466931	14/808,918	7/24/2015	Discovery Of New Business Openings Using Web Content Analysis		9,773,252	9/26/2017	ISSUED	US
Groupon, Inc.	466396	14/809,777	7/27/2015	System, Apparatus, And Method For Page Composition		10,241,981	3/26/2019	ISSUED	US
Groupon, Inc.	463003	14/814,154	7/30/2015	Predictive Recommendation System Using Tiered Feature Data		10,318,984	6/11/2019	ISSUED	US
Groupon, Inc.	464071	14/817,005	8/3/2015	Dynamically Optimizing A Data Set Distribution		10,650,326	5/12/2020	ISSUED	US
Groupon, Inc.	467284	14/820,722	8/7/2015	Exporter	2016-0071142	9,646,321	5/9/2017	ISSUED	US
Groupon, Inc.	463648	14/823,449	8/11/2015	Method, Apparatus, And Computer Program Product For Controlling Content Distribution	2016-0050249	10,244,025	3/26/2019	ISSUED	US
Groupon, Inc.	466722	14/824,929	8/12/2015	Enforcing Diversity In Ranked Relevance Results Returned From A Universal Relevance Service		10,459,927	10/29/2019	ISSUED	US
Groupon, Inc.	466720	14/824,912	8/12/2015	Universal Relevance Service Framework		10,572,925	2/25/2020	ISSUED	US
Groupon, Inc.	464061	14/832,684	8/21/2015	Computer System And Computer-Executed Method For Inventory Valuation		10,157,392	12/18/2018	ISSUED	US
Groupon, Inc.	469377	14/846,288	9/4/2015	Presence Detection Based On Crowd Surfing Signal Strength	2016-0198302	9,693,193	6/27/2017	ISSUED	US
Groupon, Inc.	464077	14/865,907	9/25/2015	Method, Apparatus, And Computer Program Product For Providing A User Platform For A		10,657,570	5/19/2020	ISSUED	US
Groupon, Inc.	464080	14/869,536	9/29/2015	System And Method For Generating Purchase Recommendations Based On		10,713,702	7/14/2020	ISSUED	US
Groupon, Inc.	470203	14/874,870	10/5/2015	Method, Apparatus, And Computer Program Product For Ranking Content Channels	2016-0098406	9,710,521	7/18/2017	ISSUED	US
Groupon, Inc.	470506	14/881,723	10/13/2015	Method And Apparatus For Managing Item Inventories		10,546,269	1/28/2020	ISSUED	US
Groupon, Inc.	464098	14/918,362	10/20/2015	Curating Training Data For Incremental Re-Training Of A Predictive Model		10,339,468	7/2/2019	ISSUED	US
Groupon, Inc.	472228	14/949,750	11/23/2015	Method And System For Determining Location Of Mobile Device		9,628,957	4/18/2017	ISSUED	US
Groupon, Inc.	472096	14/958,423	12/3/2015	Email Suggestor System	2016-0162890	9,606,982	3/28/2017	ISSUED	US
Groupon, Inc.	473043	14/959,401	12/4/2015	Implicitly Associating Metadata Using User Behavior		9,953,342	4/24/2018	ISSUED	US
Groupon, Inc.	464097	14/968,056	12/14/2015	Method, Apparatus, And Computer Program Product For Programmatically Updating Data		10,607,169	3/31/2020	ISSUED	US
Groupon, Inc.	486440	14/976,664	12/21/2015	Electronically Referring A Contact Without Divulging Contact Data	2016-0182431	10,116,612	10/30/2018	ISSUED	US
Groupon, Inc.	464096	14/980,667	12/28/2015	Location Based Discovery Of Real-Time Merchant Device Activity		9,699,610	7/4/2017	ISSUED	US
Groupon, Inc.	464090	14/980,689	12/28/2015	Prescient And Adaptive Point-Of-Sale Systems		10,592,882	3/17/2020	ISSUED	US
Groupon, Inc.	474373	15/051,051	2/23/2016	Method, Apparatus, And Computer Program Product For Classification And Tagging Of	2016-0314201	10,387,470	8/20/2019	ISSUED	US
Groupon, Inc.	474281	15/051,165	2/23/2016	Method, Apparatus, And Computer Program Product For Determining A Provider Return	2016-0314399	10,558,922	2/11/2020	ISSUED	US
Groupon, Inc.	476006	15/058,535	3/2/2016	Centralized, Scalable, Resource Monitoring System	2016-0285731	9,692,680	6/27/2017	ISSUED	US
Groupon, Inc.	477182	15/073,486	3/17/2016	Method And System For Programmatic Analysis Of Consumer Reviews	2016-0275573	9,741,058	8/22/2017	ISSUED	US
Groupon, Inc.	475802	15/083,422	3/29/2016	Apparatus And Method For Enhanced Message Targeting		10,438,216	10/8/2019	ISSUED	US

Groupon, Inc.	478862	15/144,977	5/3/2016	Graph-Based Compression Of Data Records	2017-0032409	9,619,823	4/11/2017	ISSUED	US
Groupon, Inc.	478863	15/160,142	5/20/2016	Rewards Program		10,535,075	1/14/2020	ISSUED	US
Groupon, Inc.	479686	15/161,495	5/23/2016	Automated Dynamic Data Quality Assessment	2017-0024427	9,703,823	7/11/2017	ISSUED	US
Groupon, Inc.	476700	15/168,983	5/31/2016	Method And System For Enabling The Creation And Maintenance Of Temporary User Groups	2016-0353244	9,769,611	9/19/2017	ISSUED	US
Groupon, Inc.	476638	15/168,978	5/31/2016	System, Method, And Computer Program Product For Automated Discovery, Curation and Editing Of	2017-0052967	10,324,996	6/18/2019	ISSUED	US
Groupon, Inc.	480207	15/172,032	6/2/2016	Peer-To-Peer Payment Processing	2016-0275476	10,325,253	6/18/2019	ISSUED	US
Groupon, Inc.	475687	15/174,164	6/6/2016	Apparatus And Method For Utilizing Immediate Gratification Promotions		10,521,815	12/31/2019	ISSUED	US
Groupon, Inc.	475689	15/190,078	6/22/2016	Apparatus, System, And Method For Providing Simultaneous Delivery Of Output		10,666,454	5/26/2020	ISSUED	US
Groupon, Inc.	475690	15/191,344	6/23/2016	Mobile Proximity Based Messages		10,034,129	7/24/2018	ISSUED	US
Groupon, Inc.	475797	15/197,202	6/29/2016	Wearable Device That Is Automatically Configurable Between Wearer Facing And		10,126,837	11/13/2018	ISSUED	US
Groupon, Inc.	481192	15/198,461	6/30/2016	Multi-Term Query Subsumption For Document Classification	2017-0031927	9,652,527	5/16/2017	ISSUED	US
Groupon, Inc.	475795	15/197,931	6/30/2016	Method, Apparatus, And Computer Program Product For Facilitating The Playback Of		10,416,875	9/17/2019	ISSUED	US
Groupon, Inc.	475796	15/199,035	6/30/2016	Method, Apparatus, And Computer Program Product For Offering And Processing		10,672,020	6/2/2020	ISSUED	US
Groupon, Inc.	484329	15/259,630	9/8/2016	Dynamic Clustering For Streaming Data	2017-0124178	9,852,212	12/26/2017	ISSUED	US
Groupon, Inc.	482998	15/280,167	9/29/2016	System And Method For Notification Transmission And Confirmation Management		10,206,079	2/12/2019	ISSUED	US
Groupon, Inc.	482997	15/280,237	9/29/2016	System And Method For Error Detection And Monitoring Of Object-Asset Pairs		10,268,533	4/23/2019	ISSUED	US
Groupon, Inc.	482963	15/281,024	9/29/2016	Interactive Virtual Reality System		10,373,383	8/6/2019	ISSUED	US
Groupon, Inc.	483004	15/280,246	9/29/2016	Apparatus And Method For Data Object Generation And Control		10,409,792	9/10/2019	ISSUED	US
Groupon, Inc.	482969	15/281,517	9/30/2016	Optical Receipt Processing		10,229,314	3/12/2019	ISSUED	US
Groupon, Inc.	483000	15/287,413	10/6/2016	Method And Apparatus For Facilitating Meta Search Proxy Bidding		10,699,332	6/30/2020	ISSUED	US
Groupon, Inc.	486579	15/288,540	10/7/2016	System And Method For Providing Content To Users Based On Interactions By Similar Other	2017-0139880	10,114,803	10/30/2018	ISSUED	US
Groupon, Inc.	483271	15/332,921	10/24/2016	Offline Location-Based Consumer Metrics Using Online Signals	2017-0140419	10,049,383	8/14/2018	ISSUED	US
Groupon, Inc.	489834	15/387,858	12/22/2016	Learning User Interface	2017-0169361	10,282,053	5/7/2019	ISSUED	US
Groupon, Inc.	489571	15/389,749	12/23/2016	Method, Apparatus, And Computer Program Product For Consumer Tracking	2017-0213226	10,068,240	9/4/2018	ISSUED	US
Groupon, Inc.	492912	15/427,908	2/8/2017	Automated Adaptive Data Analysis Using Dynamic Data Quality Assessment	2017-0372228	10,262,277	4/16/2019	ISSUED	US
Groupon, Inc.	493564	15/439,985	2/23/2017	Facilitating User Interactions Based On Proximity	2018-0041876	10,219,119	2/26/2019	ISSUED	US
Groupon, Inc.	493139	15/439,993	2/23/2017	Method, Apparatus, And Computer Program Product For Auto-Replenishing An Inventory Of	2017-0236141	10,410,233	9/10/2019	ISSUED	US

Groupon, Inc.	491535	15/443,556	2/27/2017	Email Suggestor System	2017-0337178	10,146,766	12/4/2018	ISSUED	US
Groupon, Inc.	483272	15/443,550	2/27/2017	Method, Apparatus, And Computer Program Product For Classification Of Documents	2017-0228588	10,339,375	7/2/2019	ISSUED	US
Groupon, Inc.	494208	15/449,687	3/3/2017	Graph-Based Compression Of Data Records	2018-0025381	10,062,089	8/28/2018	ISSUED	US
Groupon, Inc.	494375	15/452,193	3/7/2017	Method And System For Determining Location Of Mobile Device	2017-0180941	10,034,139	7/24/2018	ISSUED	US
Groupon, Inc.	494072	15/476,792	3/31/2017	Methods And Systems For Detecting Aggregation Events		10,687,167	6/16/2020	ISSUED	US
Groupon, Inc.	496712	15/486,188	4/12/2017	Facilitating Online Transactions	2018-0068363	10,467,671	11/5/2019	ISSUED	US
Groupon, Inc.	497903	15/589,246	5/8/2017	Embedded Storefront	2018-0089714	10,685,371	6/16/2020	ISSUED	US
Groupon, Inc.	498590	15/598,879	5/18/2017	Verification Of Redemption Of An Electronic Offer	2018-0047044	10,102,539	10/16/2018	ISSUED	US
Groupon, Inc.	494345	15/598,774	5/18/2017	Presence Detection Based On Crowd Surfing Signal Strength	2018-0077526	10,200,817	2/5/2019	ISSUED	US
Groupon, Inc.	497525	15/606,608	5/26/2017	Centralized, Scalable, Resource Monitoring System	2018-0109432	10,181,992	1/15/2019	ISSUED	US
Groupon, Inc.	499154	15/613,918	6/5/2017	Location Based Discovery Of Real-Time Merchant Device Activity	2017-0272909	9,848,300	12/19/2017	ISSUED	US
Groupon, Inc.	500320	15/619,786	6/12/2017	Automated Dynamic Data Quality Assessment	2018-0150767	10,360,516	7/23/2019	ISSUED	US
Groupon, Inc.	496049	15/623,713	6/15/2017	Method, Apparatus, And Computer Program Product For Ranking Content Channels	2018-0060328	10,572,492	2/25/2020	ISSUED	US
Groupon, Inc.	498938	15/664,605	7/31/2017	Obfuscation Of Email Addresses	2018-0109499	10,356,051	7/16/2019	ISSUED	US
Groupon, Inc.	499051	15/684,723	8/23/2017	Method And System For Enabling The Creation And Maintenance Of Proximity-Related User Groups	2018-0077527	10,142,784	11/27/2018	ISSUED	US
Groupon, Inc.	503437	15/686,724	8/25/2017	Discovery Of New Business Openings Using Web Content Analysis	2018-0137524	10,489,800	11/26/2019	ISSUED	US
Groupon, Inc.	499539	15/698,203	9/7/2017	Generic Message Injection System	2018-0114253	10,460,356	10/29/2019	ISSUED	US
Groupon, Inc.	499010	15/811,956	11/14/2017	Dynamic Awarding Of Prizes In Chance-Based Contests	2018-0261043	10,621,819	4/14/2020	ISSUED	US
Groupon, Inc.	507195	15/815,299	11/16/2017	Dynamic Clustering For Streaming Data	2018-0293293	10,339,163	7/2/2019	ISSUED	US
Groupon, Inc.	507349	15/816,536	11/17/2017	Location Based Discovery Of Real-Time Merchant Device Activity	2018-0227705	10,091,617	10/2/2018	ISSUED	US
Groupon, Inc.	504086	15/826,562	11/29/2017	Predictive Recommendation System Using Tiered Feature Data		10,706,439	7/7/2020	ISSUED	US
Groupon, Inc.	508096	15/840,536	12/13/2017	Apparatus And Method For Distance-Based Option Data Object Filtering And Modification		10,219,105	2/26/2019	ISSUED	US
Groupon, Inc.	507256	15/859,871	1/2/2018	Mobile Proximity Based Messages	2018-0288564	10,382,888	8/13/2019	ISSUED	US
Groupon, Inc.	511124	15/919,742	3/13/2018	Method, Apparatus, And Computer Program Product For Classifying User Search Data	2018-0268438	10,657,560	5/19/2020	ISSUED	US
Groupon, Inc.	499014	15/919,414	3/13/2018	Method, Apparatus, And Computer Program Product For Calculating A Supply Based On	2018-0268428	10,706,435	7/7/2020	ISSUED	US
Groupon, Inc.	512242	15/926,170	3/20/2018	Visitor Detection Unit And Identification System	2019-0095952	10,510,096	12/17/2019	ISSUED	US
Groupon, Inc.	511123	15/953,635	4/16/2018	Method, Apparatus, And Computer Program Product For Forecasting Demand	2018-0365716	10,657,567	5/19/2020	ISSUED	US

Groupon, Inc.	513879	15/957,188	4/19/2018	Configurable Relevance Service Test Platform	2018-0308132	10,713,690	7/14/2020	ISSUED	US
Groupon, Inc.	499013	15/984,604	5/21/2018	Method, Apparatus, And Computer Program Product For Lead Assignment	2019-0019124	10,679,265	6/9/2020	ISSUED	US
Groupon, Inc.	515584	15/997,921	6/5/2018	Method, Apparatus, And Computer Program Product For Forecasting Demand Using Real	2019-0012682	10,685,362	6/16/2020	ISSUED	US
Groupon, Inc.	516851	16/018,673	6/26/2018	Method And System For Determining Location Of Mobile Device	2019-0028845	10,531,235	1/7/2020	ISSUED	US
Groupon, Inc.	515913	16/019,584	6/27/2018	Systems And Methods For Providing Promotion Sharing Among Consumers	2019-0005529	10,546,314	1/28/2020	ISSUED	US
Groupon, Inc.	517025	16/037,087	7/17/2018	Offline Location-Based Consumer Metrics Using Online Signals	2019-0012701	10,366,410	7/30/2019	ISSUED	US
Groupon, Inc.	518226	16/050,986	7/31/2018	Graph-Based Compression Of Data Records	2019-0026773	10,311,471	6/4/2019	ISSUED	US
Groupon, Inc.	517026	16/051,955	8/1/2018	Method, Apparatus, And Computer Program Product For Consumer Tracking	2019-0034942	10,706,430	7/7/2020	ISSUED	US
Groupon, Inc.	517027	16/106,167	8/21/2018	Method, Apparatus, And Computer Program Product For Providing A Dashboard	2019-0087841	10,692,101	6/23/2020	ISSUED	US
Groupon, Inc.	519555	16/111,743	8/24/2018	Location Based Discovery Of Real-Time Merchant Device Activity	2019-0098450	10,292,010	5/14/2019	ISSUED	US
Groupon, Inc.	519834	16/121,904	9/5/2018	System And Method For Providing Content To Users Based On Interactions By Similar Other	2019-0188249	10,592,592	3/17/2020	ISSUED	US
Groupon, Inc.	521882	16/154,914	10/9/2018	Verification Of Redemption Of An Electronic Offer	2019-0220884	10,664,860	5/26/2020	ISSUED	US
Groupon, Inc.	518118	16/154,909	10/9/2018	Verification Of Redemption Of An Electronic Offer	2019-0213624	10,672,019	6/2/2020	ISSUED	US
Groupon, Inc.	519833	16/158,665	10/12/2018	Wearable Device That Is Automatically Configurable Between Wearer Facing And	2019-0114660	10,304,076	5/28/2019	ISSUED	US
Groupon, Inc.	519858	16/174,496	10/30/2018	Email Suggestor System	2019-0205374	10,691,889	6/23/2020	ISSUED	US
Groupon, Inc.	519857	16/176,793	10/31/2018	Online Ordering For In-Shop Service		10,713,707	7/14/2020	ISSUED	US
Groupon, Inc.	523936	16/225,165	12/19/2018	Presence Detection Based On Crowd Surfing Signal Strength	2019-0297455	10,631,124	4/21/2020	ISSUED	US
Groupon, Inc.	519868	16/228,547	12/20/2018	Method, System, And Apparatus For Programmatically Generating A Channel Incrementality Ratio		10,715,855	7/14/2020	ISSUED	US
Groupon, Inc.	527053	16/254,201	1/22/2019	Apparatus And Method For Distance-Based Option Data Object Filtering And Modification		10,536,797	1/14/2020	ISSUED	US
Groupon, Inc.	528858	16/374,099	4/3/2019	Location Based Discovery Of Real-Time Merchant Device Activity	2019-0297458	10,542,376	1/21/2020	ISSUED	US
Groupon, Inc.	528859	16/387,852	4/18/2019	Wearable Device That Is Automatically Configurable Between Wearer Facing And	2019-0311393	10,650,401	5/12/2020	ISSUED	US
Groupon, Inc.	528856	16/392,255	4/23/2019	Graph-Based Compression Of Data Records	2019-0303965	10,614,486	4/7/2020	ISSUED	US
Groupon, Inc.	528987	16/401,018	5/1/2019	Predictive Recommendation System Using Tiered Feature Data	2019-0325475	10,592,918	3/17/2020	ISSUED	US
Groupon, Inc.	532753	16/445,261	6/19/2019	Offline Location-Based Consumer Metrics Using Online Signals	2020-0043040	10,600,079	3/24/2020	ISSUED	US
Groupon, Inc.	533408	16/447,423	6/20/2019	Interactive Virtual Reality System	2019-0378336	10,650,606	5/12/2020	ISSUED	US
Groupon, Inc.	426810	12/169,601	7/8/2008	Searching And Presenting User Preferences In Social Media Networks				PENDING	US
Groupon, Inc.	488869	12/580,176	10/15/2009	Ad Targeting & Display Optimization Based On Social And Community Data				PENDING	US

Groupon, Inc.	436861	13/460,745	4/30/2012	Sales Enhancement System				PENDING	US
Groupon, Inc.	436867	13/756,145	1/31/2013	Pre-Feature Promotion System				PENDING	US
Groupon, Inc.	428912	13/796,635	3/12/2013	Deal Meter				PENDING	US
Groupon, Inc.	428573	13/803,445	3/14/2013	Method, Apparatus, And Computer Program Product For Sales Pipeline Automation				PENDING	US
Groupon, Inc.	428586	13/805,000	3/14/2013	Method, Apparatus, And Computer Program Product For Identification Of Supply Sources				PENDING	US
Groupon, Inc.	428898	13/829,581	3/14/2013	Promotion Offering System				PENDING	US
Groupon, Inc.	428909	13/803,275	3/14/2013	Merchant Side Cross-Category Deal Diversity				PENDING	US
Groupon, Inc.	431146	13/842,467	3/15/2013	Reservation System				PENDING	US
Groupon, Inc.	436864	13/839,102	3/15/2013	Customization Of Message Delivery Time Based On Consumer Behavior				PENDING	US
Groupon, Inc.	436870	13/839,142	3/15/2013	Throttling System For Consumer Deals				PENDING	US
Groupon, Inc.	436886	13/838,415	3/15/2013	Promotion Offering System Analyzing Collections Of Promotions				PENDING	US
Groupon, Inc.	436890	13/839,958	3/15/2013	Inbox Management System				PENDING	US
Groupon, Inc.	436891	13/841,433	3/15/2013	Consumer Cross-Category Deal Diversity				PENDING	US
Groupon, Inc.	434840	13/919,944	6/17/2013	System For Providing A Service To Venues Where People Perform Transactions	2013-0282490			PENDING	US
Groupon, Inc.	437152	14/039,697	9/27/2013	Systems And Methods For Providing Optimized Leading Messages				PENDING	US
Groupon, Inc.	437380	14/039,227	9/27/2013	Getaways Systems				PENDING	US
Groupon, Inc.	438912	14/103,256	12/11/2013	Method, Apparatus, And Computer Program Product For Ascertaining A Demand Of				PENDING	US
Groupon, Inc.	438916	14/103,093	12/11/2013	System, Apparatus, Method, And User Interface Configured For The Instant Sharing Of A Promotion				PENDING	US
Groupon, Inc.	438918	14/103,290	12/11/2013	Editorial Content Service				PENDING	US
Groupon, Inc.	441659	14/189,029	2/25/2014	Generation Of Promotion In An Augmented Reality				PENDING	US
Groupon, Inc.	441658	14/193,646	2/28/2014	System, Method, And Computer Program Product For Calculating An Accepted Value For A				PENDING	US
Groupon, Inc.	441536	14/200,699	3/7/2014	Method, Apparatus, And Computer Readable Medium For Providing A Modular Self-Service				PENDING	US
Groupon, Inc.	441537	14/207,399	3/12/2014	Mobile App Detection				PENDING	US
Groupon, Inc.	443635	14/207,427	3/12/2014	App-Based Profile Data				PENDING	US
Groupon, Inc.	443636	14/207,464	3/12/2014	Incentivized Merchant App Download				PENDING	US
Groupon, Inc.	443637	14/207,456	3/12/2014	Method And System For Offering Promotion Impressions Using Application Programs				PENDING	US
Groupon, Inc.	443638	14/207,450	3/12/2014	Launching Merchant Apps				PENDING	US

Groupon, Inc.	441538	14/219,349	3/19/2014	Method And Apparatus For Generating An Electronic Communication				PENDING	US
Groupon, Inc.	441915	14/222,369	3/21/2014	Systems, Apparatus, And Methods Of Providing Prepurchase Promotions				PENDING	US
Groupon, Inc.	444284	14/222,380	3/21/2014	Systems, Apparatus, And Methods Of Providing Promotions Based On Consumer Request				PENDING	US
Groupon, Inc.	444235	14/231,532	3/31/2014	Systems, Apparatus, And Methods Of Programmatically Determining Unique Contacts				PENDING	US
Groupon, Inc.	444554	14/248,676	4/9/2014	Communication Beacon Based Promotions For Mobile Devices				PENDING	US
Groupon, Inc.	443494	14/264,565	4/29/2014	Collaborative Editing Service				PENDING	US
Groupon, Inc.	445667	14/298,291	6/6/2014	Method, Apparatus, And Computer Program Product For Facilitating Dynamic Pricing				PENDING	US
Groupon, Inc.	445660	14/301,034	6/10/2014	Non-Promotion Content Determination System				PENDING	US
Groupon, Inc.	445109	14/311,098	6/20/2014	Consumer Device Presence-Based Transaction Session				PENDING	US
Groupon, Inc.	435768	14/316,970	6/27/2014	Booking Availability Engine				PENDING	US
Groupon, Inc.	435769	14/316,981	6/27/2014	Merchant Booking Availability Engine				PENDING	US
Groupon, Inc.	435771	14/316,994	6/27/2014	Consumer Booking Availability Engine				PENDING	US
Groupon, Inc.	445666	14/459,256	8/13/2014	Configuring Promotions For Local Pickup Of Goods				PENDING	US
Groupon, Inc.	449907	14/473,933	8/29/2014	Systems And Methods For Providing Diversified Promotional Messages				PENDING	US
Groupon, Inc.	449908	14/473,918	8/29/2014	Systems And Methods For Providing Promotions Based On Search Queries				PENDING	US
Groupon, Inc.	450704	14/479,250	9/5/2014	Method And Apparatus For Providing Promotion Recommendations				PENDING	US
Groupon, Inc.	449910	14/495,199	9/24/2014	Contractor Point Of Sale System				PENDING	US
Groupon, Inc.	454510	14/532,269	11/4/2014	Unlocking Editorial Content				PENDING	US
Groupon, Inc.	454803	14/539,937	11/12/2014	Sourcing Goods Based On Pre-Feature Analytics				PENDING	US
Groupon, Inc.	454804	14/539,933	11/12/2014	Sourcing Goods Based On Predictive Modeling				PENDING	US
Groupon, Inc.	454490	14/557,042	12/1/2014	Method And Apparatus For Providing Promotion Vouchers				PENDING	US
Groupon, Inc.	454480	14/565,380	12/9/2014	Systems And Methods for Providing Group Promotions				PENDING	US
Groupon, Inc.	454530	14/565,534	12/10/2014	Method, Apparatus, And Computer Program Product For Providing Management Of Sales				PENDING	US
Groupon, Inc.	454479	14/567,524	12/11/2014	Method And Apparatus For Evaluating Electronic Marketing Communications				PENDING	US
Groupon, Inc.	454508	14/568,514	12/12/2014	System For Predicting Consumer Purchasing Of Promotions				PENDING	US
Groupon, Inc.	454473	14/571,027	12/15/2014	Systems, Apparatus, And Methods For Providing Merchant-Defined Local Promotions				PENDING	US
Groupon, Inc.	454476	14/571,018	12/15/2014	Systems, Apparatus, And Methods For Providing Promotion Newsfeeds				PENDING	US

Groupon, Inc.	454478	14/571,013	12/15/2014	Systems, Apparatus, And Methods For Providing Local Promotions				PENDING	US
Groupon, Inc.	454474	14/574,343	12/17/2014	Method And System For Recommending Promotions To Consumers				PENDING	US
Groupon, Inc.	454306	14/578,192	12/19/2014	Processing Dynamic Data Using An Adaptive Oracle-Trained Learning System				PENDING	US
Groupon, Inc.	454529	14/577,320	12/19/2014	Method And System For Providing Electronic Marketing Communications For A Promotion				PENDING	US
Groupon, Inc.	454800	14/578,210	12/19/2014	Processing Dynamic Data Within An Adaptive Oracle-Trained Learning System Using Dynamic				PENDING	US
Groupon, Inc.	454507	14/579,964	12/22/2014	Systems, Apparatus, And Methods For Providing Promotions Based On Consumer Interactions				PENDING	US
Groupon, Inc.	457021	14/626,381	2/19/2015	Method And System For Defining Consumer Interactions For Initiating Execution Of Commands	2015-0242938			PENDING	US
Groupon, Inc.	457045	14/628,995	2/23/2015	Method, Apparatus, and Computer Program Product For Searching For Promotions				PENDING	US
Groupon, Inc.	457016	14/670,558	3/27/2015	Method, Apparatus, And Computer Program Product For Using External Consumer Data To				PENDING	US
Groupon, Inc.	460236	14/675,125	3/31/2015	Time-Adjusted Dynamic Promotion Analytics				PENDING	US
Groupon, Inc.	460973	14/693,712	4/22/2015	Generating In-Channel And Cross-Channel Promotion Recommendations Using				PENDING	US
Groupon, Inc.	460975	14/693,725	4/22/2015	Generating In-Channel and Cross-Channel Promotion Recommendations Using				PENDING	US
Groupon, Inc.	447945	14/705,449	5/6/2015	Method, Apparatus, And Computer Readable Medium For Providing Management Of Stored				PENDING	US
Groupon, Inc.	460971	14/719,993	5/22/2015	Method And System For Providing Impressions Of Promotions Based On Sufficiency Of Promotion Data				PENDING	US
Groupon, Inc.	462794	14/751,648	6/26/2015	Apparatus, System, And Method For Outputting Promotions				PENDING	US
Groupon, Inc.	462944	14/752,311	6/26/2015	Method And System For Programmatic Generation Of Survey Queries				PENDING	US
Groupon, Inc.	460750	14/755,742	6/30/2015	Method, Apparatus, And Computer Program Product For Facilitating Dynamic Change Of An				PENDING	US
Groupon, Inc.	463955	14/788,474	6/30/2015	Promotional System Interaction Tracking				PENDING	US
Groupon, Inc.	464054	14/811,521	7/28/2015	System And Method For Programmatic Generation Of Attribute Descriptors				PENDING	US
Groupon, Inc.	464055	14/818,915	8/5/2015	Method And System For Generating Purchase Recommendations Based On				PENDING	US
Groupon, Inc.	466721	14/824,922	8/12/2015	Ranked Relevance Results Using Multi-Featured Scoring Returned From A Universal Relevance				PENDING	US
Groupon, Inc.	466723	14/824,934	8/12/2015	Personalization Of Ranked Relevance Results Returned From A Universal Relevance Service				PENDING	US
Groupon, Inc.	464057	14/826,321	8/14/2015	Method, Apparatus, And Computer Program Product For Authenticating A Consumer For				PENDING	US
Groupon, Inc.	468196	14/833,815	8/24/2015	Purchasing, Redemption And Settlement Systems And Methods Wherein A Buyer Takes Possession	2016-0125492			PENDING	US
Groupon, Inc.	464063	14/839,490	8/28/2015	Method and Apparatus For Identifying Trending Promotions				PENDING	US
Groupon, Inc.	464185	14/843,170	9/2/2015	Method and Apparatus For Item Selection				PENDING	US
Groupon, Inc.	464064	14/858,468	9/18/2015	Method And Apparatus For Automated Merchant Acquisition				PENDING	US

Groupon, Inc.	464065	14/865,157	9/25/2015	Method And Apparatus For Configuring A Merchant Device Based On Business Analytic Data				PENDING	US
Groupon, Inc.	464066	14/865,214	9/25/2015	Method And Apparatus For Providing Merchant Decision-Making Support Based On A				PENDING	US
Groupon, Inc.	464067	14/865,181	9/25/2015	Method And Apparatus For Providing Automated Market Analysis Testing				PENDING	US
Groupon, Inc.	464068	14/865,118	9/25/2015	Method And Apparatus For Programmatic Promotion Generation Based On Business				PENDING	US
Groupon, Inc.	464069	14/865,899	9/25/2015	Methods, Apparatuses, And Computer Program Products For Providing A Platform for				PENDING	US
Groupon, Inc.	464070	14/867,640	9/28/2015	Apparatus, Method, And Computer Program Product For Providing Group Rewards				PENDING	US
Groupon, Inc.	464078	14/869,548	9/29/2015	System And Method For Generating Geographic Zone Information For Consumers				PENDING	US
Groupon, Inc.	464079	14/869,542	9/29/2015	System And Method For Generating Geographic Zone Information For Commercial				PENDING	US
Groupon, Inc.	464081	14/869,530	9/29/2015	System And Method For Detecting Consumer Hot-Spots Based On Geographic Zone Information				PENDING	US
Groupon, Inc.	464100	14/869,517	9/29/2015	System And Method For Detecting Commercial Hot-Spots Based On Geographic Zone Information				PENDING	US
Groupon, Inc.	464099	14/919,111	10/21/2015	Method And System For Programmatic Analysis Of Consumer Sentiment With Regard				PENDING	US
Groupon, Inc.	488873	14/924,173	10/27/2015	Client-Based Deal Filtering And Display	2016-0048884			PENDING	US
Groupon, Inc.	464091	14/980,656	12/28/2015	Prescient And Adaptive Point-Of-Sale Systems				PENDING	US
Groupon, Inc.	464092	14/980,703	12/28/2015	System And Apparatus For Automatic Review Generation				PENDING	US
Groupon, Inc.	464094	14/980,627	12/28/2015	Dynamic Data-Driven Generation Of Customized Incentives				PENDING	US
Groupon, Inc.	464095	14/980,678	12/28/2015	Motion Data Based Consumer Interfaces				PENDING	US
Groupon, Inc.	464089	14/983,838	12/30/2015	Methods And Systems For Managing Transmission Of Electronic Marketing				PENDING	US
Groupon, Inc.	464093	14/983,671	12/30/2015	System And Apparatus For Self-Forming Ad-Hoc Group Promotions				PENDING	US
Groupon, Inc.	475643	15/045,642	2/17/2016	Circle Model Powered Suggestions And Activities	2016-0308988			PENDING	US
Groupon, Inc.	474764	15/054,765	2/26/2016	Method, Apparatus, And Computer Program Product For Facilitating The Management And				PENDING	US
Groupon, Inc.	475461	15/074,152	3/18/2016	Automatic Entity Resolution Data Cleaning				PENDING	US
Groupon, Inc.	475798	15/083,441	3/29/2016	Apparatus And Method For Enhanced Message Targeting				PENDING	US
Groupon, Inc.	475833	15/085,849	3/30/2016	Probabilistic Inventory Management				PENDING	US
Groupon, Inc.	476250	15/085,851	3/30/2016	Electronic Travel Planner				PENDING	US
Groupon, Inc.	475834	15/144,371	5/2/2016	Apparatus, Method, and Computer Program Product For Providing Synchronous Delivery Of				PENDING	US
Groupon, Inc.	475835	15/167,108	5/27/2016	Methods And Systems For Programmatic Control Of Transmitted Electronic Content				PENDING	US
Groupon, Inc.	476001	15/167,155	5/27/2016	Methods And Systems For Programmatic Control Of Transmitted Electronic Content				PENDING	US



Groupon, Inc.	476002	15/167,178	5/27/2016	Methods And Systems For Programmatic Control Of Transmitted Electronic Content				PENDING	US
Groupon, Inc.	475686	15/174,173	6/6/2016	Apparatus And Method For Utilizing Immediate Gratification Promotions				PENDING	US
Groupon, Inc.	475688	15/174,156	6/6/2016	Apparatus And Method For Utilizing Proximity Density Mapping To Assist Relevance				PENDING	US
Groupon, Inc.	475799	15/192,439	6/24/2016	Hybrid Data Integration Platform				PENDING	US
Groupon, Inc.	475803	15/192,366	6/24/2016	Method, Apparatus, And Computer Program Product For Merchant Classification				PENDING	US
Groupon, Inc.	482771	15/228,263	8/4/2016	Method, Apparatus, And Computer Program Product For Facilitating The Activation Of				PENDING	US
Groupon, Inc.	482911	15/253,665	8/31/2016	Method, Apparatus, And Computer Program For Predicting Consumer Behavior				PENDING	US
Groupon, Inc.	482989	15/280,738	9/29/2016	Method, Apparatus, And Computer Program Product For Predicting Web Browsing				PENDING	US
Groupon, Inc.	482990	15/280,580	9/29/2016	Method, Manufacture And Apparatus For Facilitating On-Demand Home And Auto Services				PENDING	US
Groupon, Inc.	482994	15/280,208	9/29/2016	System And Method For Object-Response Asset Authorization And Pairing				PENDING	US
Groupon, Inc.	482996	15/280,220	9/29/2016	System And Method For Managing Request-To-Task Translation And Sequencing				PENDING	US
Groupon, Inc.	482991	15/281,656	9/30/2016	Dynamic Augmenting Relevance Rankings Using Data From External Ratings Sources				PENDING	US
Groupon, Inc.	482993	15/281,779	9/30/2016	Mobile Device Merchant Availability Interface				PENDING	US
Groupon, Inc.	483003	15/393,721	12/29/2016	Dynamic Freshness for Relevance Rankings				PENDING	US
Groupon, Inc.	483001	15/395,253	12/30/2016	Limiting Gender Inappropriate Object Results And Boosting Perishable Object Results Of				PENDING	US
Groupon, Inc.	483002	15/395,303	12/30/2016	Methods, Apparatuses, And Systems For Providing An Event Evaluation Framework				PENDING	US
Groupon, Inc.	491084	15/397,114	1/3/2017	System, Method, And Computer Program Product For Generation Of Local Content Corpus	2017-0344565			PENDING	US
Groupon, Inc.	494250	15/473,091	3/29/2017	Configurable And Incremental Database Migration Framework For Heterogeneous Databases				PENDING	US
Groupon, Inc.	494252	15/474,102	3/30/2017	Methods And Systems For Programmatic Control Of Transmitted Electronic Content				PENDING	US
Groupon, Inc.	496376	15/482,179	4/7/2017	Multi-Term Query Subsumption For Document Classification	2018-0032532			PENDING	US
Groupon, Inc.	496048	15/489,057	4/17/2017	Exporter	2018-0068341			PENDING	US
Groupon, Inc.	503047	15/719,185	9/28/2017	Method And Apparatus For Facilitating A Response To A Metasearch Service Availability				PENDING	US
Groupon, Inc.	508097	15/840,452	12/13/2017	Apparatus And Method For Forecasted Performance Level Adjustment And Modification				PENDING	US
Groupon, Inc.	508106	15/840,364	12/13/2017	Apparatus And Method For Option Data Object Performance Prediction And Modeling				PENDING	US
Groupon, Inc.	507752	15/853,389	12/22/2017	Method, Apparatus, And Computer Program Product For System Resource Volume				PENDING	US
Groupon, Inc.	507751	15/855,918	12/27/2017	Method, Apparatus, And Computer Program Product For Balancing Network Resource				PENDING	US
Groupon, Inc.	508183	15/856,707	12/28/2017	Server For Ingesting And Rendering Data Objects				PENDING	US

Groupon, Inc.	508632	15/856,718	12/28/2017	Server For Ingesting And Updating Renderable Data Objects From A Flat File Server				PENDING	US
Groupon, Inc.	508633	15/856,771	12/28/2017	Server For Verification, Validation, And Updating A Data Item Database Containing Renderable				PENDING	US
Groupon, Inc.	508182	15/858,335	12/29/2017	Providing Discounts To Non-Partner Merchants				PENDING	US
Groupon, Inc.	508631	15/921,747	3/15/2018	Method, Apparatus, And Computer Program Product For Identifying A Service Need Via A	2018-0204228			PENDING	US
Groupon, Inc.	516316	16/033,928	7/12/2018	Method, Apparatus, And Computer Program Product For Inferring Device Rendered Object				PENDING	US
Groupon, Inc.	516318	16/033,956	7/12/2018	Method, Apparatus, And Computer Program Product For Extending An Action Vector				PENDING	US
Groupon, Inc.	516404	16/034,575	7/13/2018	Method, Apparatus, And Computer Program Product For Improving Network Database				PENDING	US
Groupon, Inc.	517966	16/047,392	7/27/2018	Structured Fine Print				PENDING	US
Groupon, Inc.	517967	16/047,409	7/27/2018	System And Apparatus For Automated Evaluation Of Compatibility Of Data Structures				PENDING	US
Groupon, Inc.	503367	16/105,525	8/20/2018	Method, Apparatus, And Computer Program Product For Machine Learning Model Lifecycle				PENDING	US
Groupon, Inc.	518651	16/125,631	9/7/2018	Facilitating The Application Of A Ledger To Programmatically Identify Duplicate Data Objects				PENDING	US
Groupon, Inc.	518652	16/124,271	9/7/2018	Yield Management Through The Classification Of Renderable Data Objects				PENDING	US
Groupon, Inc.	518743	16/129,044	9/12/2018	Systems And Methods To Implement Point Of Sale (POS) Terminals, Process Orders And	2019-0080421			PENDING	US
Groupon, Inc.	518375	16/138,484	9/21/2018	Method And System For Facilitating Consumer Interactions For Performing Purchase	2019-0163357			PENDING	US
Groupon, Inc.	519854	16/169,018	10/24/2018	Method And System For Enabling The Creation And Maintenance Of Proximity-Related User Groups	2019-0158980			PENDING	US
Groupon, Inc.	519855	16/175,905	10/31/2018	Method, Apparatus, And Computer Program Product For Providing A Search Feedback	2019-0172078			PENDING	US
Groupon, Inc.	518260	16/189,325	11/13/2018	Method And Apparatus For Providing Promotion Recommendations	2019-0266635			PENDING	US
Groupon, Inc.	519562	16/192,197	11/15/2018	Clustering And Coranking Of Multi-Source Location Data				PENDING	US
Groupon, Inc.	519861	16/218,830	12/13/2018	Method, Apparatus, And Computer Program Product For Network Data Linking And				PENDING	US
Groupon, Inc.	519862	16/228,485	12/20/2018	Method, Apparatus, And Computer Program Product For Adaptive Tail Digital Content				PENDING	US
Groupon, Inc.	519863	16/228,503	12/20/2018	Method, Apparatus, And Computer Program Product For Predictive Initial Electronic Bid				PENDING	US
Groupon, Inc.	519866	16/228,519	12/20/2018	Method, System, And Apparatus For Programmatically Determining And Adjusting Electronic Bid				PENDING	US
Groupon, Inc.	519867	16/228,532	12/20/2018	Method, System, And Apparatus For Programmatically Determining And Adjusting Electronic Bid				PENDING	US
Groupon, Inc.	519907	16/228,557	12/20/2018	Method, System, And Apparatus For Programmatically Segmenting User Profiles Based Upon Platform				PENDING	US
Groupon, Inc.	519864	16/229,300	12/21/2018	Methods And Systems For Generating A Supply Index Indicative Of A Quality Of				PENDING	US
Groupon, Inc.	519865	16/229,304	12/21/2018	Methods And Systems For Determining A Travel Propensity Configured For Use In The				PENDING	US
Groupon, Inc.	523937	16/241,618	1/7/2019	System And Method For Notification Transmission And Confirmation Management	2019-0387381			PENDING	US

Groupon, Inc.	525267	16/251,809	1/18/2019	System For Providing Impressions Based On Consumer Preferences For Future Promotions	2019-0259064			PENDING	US
Groupon, Inc.	526951	16/254,040	1/22/2019	Optical Receipt Processing				PENDING	US
Groupon, Inc.	526950	16/257,122	1/25/2019	Facilitating User Interactions Based On Proximity	2019-0297467			PENDING	US
Groupon, Inc.	527392	16/270,685	2/8/2019	Method, Apparatus, And Computer Program Product For Setting A Benchmark Conversion	2019-0272551			PENDING	US
Groupon, Inc.	525479	16/351,235	3/12/2019	Method And System For Distribution Of Application Program For Promotion And				PENDING	US
Groupon, Inc.	525950	16/355,114	3/15/2019	Pull-Type Searching System				PENDING	US
Groupon, Inc.	528861	16/392,038	4/23/2019	Method And Apparatus For Creating Web Content And Identifying Advertisements For				PENDING	US
Groupon, Inc.	530054	16/396,228	4/26/2019	Method, Apparatus, And Computer Program Product For Predictive Dynamic Bidding Rule				PENDING	US
Groupon, Inc.	528844	16/403,054	5/3/2019	Predictive Recommendation System	2020-0034879			PENDING	US
Groupon, Inc.	531588	16/421,669	5/24/2019	Methods And Systems For Generating A Mix-Enforced List Of Items Utilizing Maximal Marginal				PENDING	US
Groupon, Inc.	532996	16/510,373	7/12/2019	Method, Apparatus And Computer Program Product For Improving Dynamic Retry Of Resource				PENDING	US
Groupon, Inc.	533037	16/510,347	7/12/2019	Method, Apparatus And Computer Program Product For Real-Time Circuit Breaker In Server Resource				PENDING	US
Groupon, Inc.	531273	16/519,710	7/23/2019	Systems, Apparatus, And Methods Of Programmatically Determining Unique Contacts Based On				PENDING	US
Groupon, Inc.	535116	16/526,395	7/30/2019	Apparatus And Method For Data Object Generation And Control				PENDING	US
Groupon, Inc.	533159	16/555,892	8/29/2019	Systems and Methods For Providing Dimensional Promotional Offers				PENDING	US
Groupon, Inc.	536524	16/555,186	8/29/2019	Systems And Methods For Providing Shared Promotion Redemptions				PENDING	US
Groupon, Inc.	529499	16/566,684	9/10/2019	Multi-Application Interactive Support And Communication Interface				PENDING	US
Groupon, Inc.	533855	16/572,685	9/17/2019	Generic Message Injection System				PENDING	US
Groupon, Inc.	538120	16/659,751	10/22/2019	Incentivizing Sharing In Social Networks				PENDING	US
Groupon, Inc.	538294	16/661,476	10/23/2019	Automated Deal Guide Structure Identification				PENDING	US
Groupon, Inc.	531400	16/667,141	10/29/2019	Machine Learning Systems Architectures For Ranking				PENDING	US
Groupon, Inc.	539648	16/667,385	10/29/2019	Mobile Device Merchant Availability Interface				PENDING	US
Groupon, Inc.	539755	16/682,527	11/13/2019	System And Method For Incentives				PENDING	US
Groupon, Inc.	540453	16/683,788	11/14/2019	Visitor Detection Unit And Identification System				PENDING	US
Groupon, Inc.	536756	16/701,992	12/3/2019	Method And System For Determining Location Of Mobile Device				PENDING	US
Groupon, Inc.	541417	16/707,706	12/9/2019	Apparatus And Method For Distance-Based Option Data Object Filtering And Modification				PENDING	US
Groupon, Inc.	533409	16/710,019	12/11/2019	Location Based Discovery Of Real-Time Merchant Device Activity				PENDING	US

Groupon, Inc.	538583	16/710,520	12/11/2019	Systems And Methods For Providing Streamlined Multiple Item Transactions				PENDING	US
Groupon, Inc.	541818	16/710,415	12/11/2019	Determining Locations Of Interest Based On User Visits				PENDING	US
Groupon, Inc.	542070	16/722,915	12/20/2019	Apparatuses, Methods, And Computer Program Products For Crediting Value To A Third-Party				PENDING	US
Groupon, Inc.	542228	16/726,436	12/24/2019	Seamless Promotion Redemption				PENDING	US
Groupon, Inc.	541253	16/733,138	1/2/2020	Method And Apparatus For Managing Item Inventories				PENDING	US
Groupon, Inc.	542064	16/734,723	1/6/2020	Automated Deal Guide Optimization				PENDING	US
Groupon, Inc.	542065	16/734,770	1/6/2020	Rewards Program				PENDING	US
Groupon, Inc.	542066	16/734,811	1/6/2020	Method, Apparatus, And Computer Program Product For Determining A Provider Return				PENDING	US
Groupon, Inc.	542067	16/734,852	1/6/2020	Systems And Methods For Providing Promotion Sharing Among Consumers				PENDING	US
Groupon, Inc.	543503	16/774,639	1/28/2020	System And Method For Providing Content To Users Based On Interactions By Similar Other				PENDING	US
Groupon, Inc.	543490	16/776,944	1/30/2020	Prescient And Adaptive Point-Of-Sale Systems				PENDING	US
Groupon, Inc.	543819	16/784,104	2/6/2020	Predictive Recommendation System Using Tiered Feature Data				PENDING	US
Groupon, Inc.	544151	16/792,760	2/17/2020	Facilitating End-To-End Encryption For E-Commerce				PENDING	US
Groupon, Inc.	544695	16/803,120	2/27/2020	Method And Apparatus For Return On Investment Impact Reporting				PENDING	US
Groupon, Inc.	534884	16/805,343	2/28/2020	Determining Transactional Networks Using Transactional Data				PENDING	US
Groupon, Inc.	542605	16/804,788	2/28/2020	Graph-Based Compression Of Data Records				PENDING	US
Groupon, Inc.	544034	16/805,350	2/28/2020	Offline Location-Based Consumer Metrics Using Online Signals				PENDING	US
Groupon, Inc.	545205	16/809,285	3/4/2020	Automatic Selection Of High Quality Training Data Using An Adaptive Oracle-Trained Learning				PENDING	US
Groupon, Inc.	545207	16/813,954	3/10/2020	Presence Detection Based On Crowd Surfing Signal Strength				PENDING	US
Groupon, Inc.	544470	16/816,072	3/11/2020	Systems And Methods For Programmatically Grouping Consumers				PENDING	US
Groupon, Inc.	545203	16/815,104	3/11/2020	Dynamic Awarding Of Prizes In Chance-Based Contests				PENDING	US
Groupon, Inc.	545608	16/820,012	3/16/2020	Method, Apparatus, And Computer Program Product For Calculating Profit For A Promotion				PENDING	US
Groupon, Inc.	545847	16/821,616	3/17/2020	Communication Beacon Based Promotions For Mobile Devices				PENDING	US
Groupon, Inc.	545206	16/828,595	3/24/2020	Interactive Virtual Reality System				PENDING	US
Groupon, Inc.	542268	16/833,002	3/27/2020	Managing Merchant Communications				PENDING	US
Groupon, Inc.	546528	16/832,696	3/27/2020	Dynamically Optimizing A Data Set Distribution				PENDING	US
Groupon, Inc.	545208	16/837,738	4/1/2020	Wearable Device That Is Automatically Configurable Between Wearer Facing And				PENDING	US

Groupon, Inc.	545968	16/844,055	4/9/2020	Generating Promotion Offers And Providing Analytics Data				PENDING	US
Groupon, Inc.	546838	16/844,454	4/9/2020	Method And Apparatus For Promotion Template Generation				PENDING	US
Groupon, Inc.	546263	16/845,617	4/10/2020	Method, Apparatus, And Computer Program Product For Predicting Web Browsing				PENDING	US
Groupon, Inc.	547157	16/845,869	4/10/2020	Method And Apparatus For Implementing A Search Index Generator				PENDING	US
Groupon, Inc.	545689	16/848,025	4/14/2020	Method, Apparatus, And Computer Readable Medium For Group Gifting In A Randomized				PENDING	US
Groupon, Inc.	546264	16/848,479	4/14/2020	Facilitating User Interactions Based On Proximity				PENDING	US
Groupon, Inc.	547235	16/849,751	4/15/2020	Method, Apparatus, And Computer Program Product For Providing A User Platform For A				PENDING	US
Groupon, Inc.	547591	16/854,434	4/21/2020	Apparatus, System, And Method For Providing Simultaneous Delivery Of Output				PENDING	US
Groupon, Inc.	542413	16/855,756	4/22/2020	Verification Of Redemption Of An Electronic Offer				PENDING	US
Groupon, Inc.	546262	16/855,739	4/22/2020	Merchant Deal Creation And Redemption System				PENDING	US
Groupon, Inc.	547244	16/855,778	4/22/2020	Method, Apparatus, And Computer Program Product For Forecasting Demand				PENDING	US
Groupon, Inc.	546292	16/857,940	4/24/2020	Method, Apparatus, And Computer Program Product For Offering And Processing				PENDING	US
Groupon, Inc.	547673	16/859,612	4/27/2020	Method, Apparatus, And Computer Program Product For Classifying User Search Data				PENDING	US
Groupon, Inc.	547781	16/859,466	4/27/2020	Systems And Methods For Consumer Defined Promotion Bundling				PENDING	US
Groupon, Inc.	547676	16/860,759	4/28/2020	Method, Apparatus, And Computer Program Product For Lead Assignment				PENDING	US
Groupon, Inc.	547830	16/862,041	4/29/2020	Consumer Device Based Point-Of-Sale				PENDING	US
Groupon, Inc.	542414	16/867,018	5/5/2020	Embedded Storefront				PENDING	US
Groupon, Inc.	547674	16/866,614	5/5/2020	Method, Apparatus, And Computer Program Product For Forecasting Demand Using Real				PENDING	US
Groupon, Inc.	547675	16/868,406	5/6/2020	System For Generating And Qualifying Deal Promotions In An Internet Marketplace				PENDING	US
Groupon, Inc.	547245	16/869,439	5/7/2020	Performing Predictive Inferences Using Multiple Predictive Models				PENDING	US
Groupon, Inc.	548030	16/870,535	5/8/2020	Methods And Systems For Detecting Aggregation Events				PENDING	US
Groupon, Inc.	548284	16/872,495	5/12/2020	Method, Apparatus, And Computer Program Product For Providing A Dashboard				PENDING	US
Groupon, Inc.	548285	15/930,635	5/13/2020	Email Suggestor System				PENDING	US
Groupon, Inc.	548188	16/875,138	5/15/2020	Method, Apparatus, And Computer Program Product For Consumer Tracking				PENDING	US
Groupon, Inc.	548267	16/878,197	5/19/2020	Method And Apparatus For Providing Promotion Recommendations				PENDING	US
Groupon, Inc.	548415	16/879,330	5/20/2020	Generating Optimized In-Channel And Cross-Channel Promotion Recommendations Using Free				PENDING	US
Groupon, Inc.	548755	16/882,846	5/26/2020	System And Method For Generating Purchase Recommendations Based On				PENDING	US

Groupon, Inc.	548286	16/884,828	5/27/2020	Method, Apparatus, And Computer Program Product For Calculating A Supply Based On				PENDING	US
Groupon, Inc.	548611	16/884,259	5/27/2020	Method And Apparatus For Facilitating Meta Search Proxy Bidding				PENDING	US
Groupon, Inc.	548807	16/884,855	5/27/2020	Predictive Recommendation System Using Tiered Feature Data				PENDING	US
Groupon, Inc.	548952	16/887,972	5/29/2020	System And Method For Generating Purchase Recommendations Based On				PENDING	US
Groupon, Inc.	548609	16/891,743	6/3/2020	Online Ordering For In-Shop Service				PENDING	US
Groupon, Inc.	548189	16/892,979	6/4/2020	Method, System And Apparatus For Programmatically Generating A Channel Incrementality Ratio				PENDING	US
Groupon, Inc.	549148	16/895,317	6/8/2020	Configurable Relevance Service Test Platform				PENDING	US
Groupon, Inc.	549112	16/898,568	6/11/2020	Method, Apparatus, And Computer Program Product For Sales Pipeline Automation				PENDING	US
Groupon, Inc.	549642	16/904,152	6/17/2020	Method And Apparatus Using Context To Determine Consumer Deals				PENDING	US
Groupon, Inc.	549888	16/910,290	6/24/2020	Multi-Term Query Subsumption For Document Classification				PENDING	US
Groupon, Inc.	549930	16/946,499	6/24/2020	Systems, Apparatus, And Methods Of Providing Promotions Based On Consumer Request				PENDING	US
Groupon, Inc.	550182	16/910,620	6/24/2020	Systems And Methods For Providing Group Promotions				PENDING	US
Groupon, Inc.	550183	16/913,035	6/26/2020	Hybrid Data Integration Platform				PENDING	US
Groupon, Inc.	550274	16/915,098	6/29/2020	Generating Optimized In-Channel And Cross-Channel Promotion Recommendations Using Free				PENDING	US
Groupon, Inc.	488863	12/393,795	2/26/2009	Generating And Presenting Targeted Advertisements Including Representations Of	2009-0228335			PUBLISHED	US
Groupon, Inc.	426791	13/616,565	9/14/2012	System And Methods For Discount Retailing	2013-0185128			PUBLISHED	US
Groupon, Inc.	428883	13/752,088	1/28/2013	Transaction Processing System	2013-0197980			PUBLISHED	US
Groupon, Inc.	426962	13/786,828	3/6/2013	Method, Apparatus, And Computer Readable Medium For Transferring Of Promotions	2014-0257945			PUBLISHED	US
Groupon, Inc.	428911	13/841,347	3/15/2013	Unified Payment And Return On Investment System	2014-0046757			PUBLISHED	US
Groupon, Inc.	434208	13/991,807	1/15/2014	Method And System For Credit Card Holder Identification	2014-0122171			PUBLISHED	US
Groupon, Inc.	468182	14778607.3	3/6/2014	Consumer Device Based Point-Of-Sale	2973322			PUBLISHED	EP
Groupon, Inc.	452900	14/527,189	10/29/2014	Systems And Methods For Discount Retailing	2015-0127435			PUBLISHED	US
Groupon, Inc.	481855	15739857.9	1/27/2015	Learning User Interface	3100150			PUBLISHED	EP
Groupon, Inc.	457020	14/626,384	2/19/2015	Method And System For Use Of Biometric Information Associated With Consumer Interactions	2015-0242859			PUBLISHED	US
Groupon, Inc.	482266	15751378.9	2/20/2015	Method And System For Adjusting Item Relevance Based On Consumer Interactions	3108433			PUBLISHED	EP
Groupon, Inc.	492456	15763415.5	8/11/2015	Method, Apparatus, And Computer Program Product For Controlling Content Distribution	3180688			PUBLISHED	EP
Groupon, Inc.	464062	14/836,356	8/26/2015	Method And Apparatus For Electronic Transactions Based On A Reply Message	2016-0063608			PUBLISHED	US

Groupon, Inc.	493782	15835367.2	8/26/2015	Method And Apparatus For Electronic Transactions Based On A Reply Message	3186764			PUBLISHED	EP
Groupon, Inc.	471438	14/935,857	11/9/2015	Method, Apparatus, And Computer Program Product For Scheduling Appointments With	2016-0071066			PUBLISHED	US
Groupon, Inc.	471171	14/944,933	11/18/2015	Method For Testing Mobile Application And Associated Apparatus And System	2016-0147644			PUBLISHED	US
Groupon, Inc.	488867	15/016,913	2/5/2016	Systems And Methods To Implement Point Of Sale (POS) Terminals, Process Orders And	2016-0155108			PUBLISHED	US
Groupon, Inc.	475644	15/018,011	2/8/2016	Method, Apparatus, And Computer Program Product For Performing A Rules-Based	2016-0155144			PUBLISHED	US
Groupon, Inc.	507098	16804078.0	5/26/2016	Mobile Search	3304280			PUBLISHED	EP
Groupon, Inc.	475728	15/167,604	5/27/2016	Mobile Search	2016-0350365			PUBLISHED	US
Groupon, Inc.	475800	15/191,348	6/23/2016	Mobile Chat Application Integration With Promotional Systems	2016-0379269			PUBLISHED	US
Groupon, Inc.	507697	16815327.8	6/23/2016	Mobile Chat Application Integration With Promotional Systems	3314563			PUBLISHED	EP
Groupon, Inc.	482917	15/226,827	8/2/2016	Deal Scoring System And Method	2017-0132654			PUBLISHED	US
Groupon, Inc.	483006	15/383,921	12/19/2016	Gift Card Transfer Security	2017-0193503			PUBLISHED	US
Groupon, Inc.	495955	15/489,059	4/17/2017	Sentiment Extraction From Consumer Reviews For Providing Product Recommendations	2017-0221128			PUBLISHED	US
Groupon, Inc.	496831	15/496,224	4/25/2017	Learning User Interface	2017-0308270			PUBLISHED	US
Groupon, Inc.	500349	15/659,138	7/25/2017	Method And System For Programmatic Analysis Of Consumer Reviews	2018-0174203			PUBLISHED	US
Groupon, Inc.	497247	15/667,666	8/3/2017	Method, Apparatus, And Computer Program Product For Determining Closing Metrics	2018-0046925			PUBLISHED	US
Groupon, Inc.	502755	15/677,369	8/15/2017	Learning User Interface	2018-0059906			PUBLISHED	US
Groupon, Inc.	503050	15/711,264	9/21/2017	Mobile Service Applications	2018-0081693			PUBLISHED	US
Groupon, Inc.	529061	17852524.2	9/22/2017	Mobile Service Applications	3516503			PUBLISHED	EP
Groupon, Inc.	505617	15/784,015	10/13/2017	Consumer Device Based Point-Of-Sale	2018-0276634			PUBLISHED	US
Groupon, Inc.	492843	15/847,442	12/19/2017	GPS Determined Location Based Access To Linked Information And Delivery Thereof	2018-0174130			PUBLISHED	US
Groupon, Inc.	507623	15/847,482	12/19/2017	Methods And Systems For Detecting Geographic Areas Having Elevated Supply and	2018-0174189			PUBLISHED	US
Groupon, Inc.	529821	17829709.9	12/19/2017	GPS Determined Location Based Access To Linked Information And Delivery Thereof	3555835			PUBLISHED	EP
Groupon, Inc.	529920	17829310.6	12/19/2017	Methods And Systems For Detecting Geographic Areas Having Elevated Supply And	3555834			PUBLISHED	EP
Groupon, Inc.	509864	15/880,987	1/26/2018	Promotion Redemption And Payment Gateway	2019-0012661			PUBLISHED	US
Groupon, Inc.	510606	15/904,791	2/26/2018	Implicitly Associating Metadata Using User Behavior	2018-0247337			PUBLISHED	US
Groupon, Inc.	491533	15/954,847	4/17/2018	Method, Apparatus, And Computer Readable Medium For Providing A Self-Service Interface	2018-0365739			PUBLISHED	US
Groupon, Inc.	514798	15/978,453	5/14/2018	Learning User Interface	2018-0364889			PUBLISHED	US

Groupon, Inc.	514448	16/026,289	7/3/2018	Dynamic Customized Electronic Message Content Generation	2019-0020611			PUBLISHED	US
Groupon, Inc.	519564	16/121,751	9/5/2018	Systems And Methods For Providing Multiple Items To Consumers	2019-0180347			PUBLISHED	US
Groupon, Inc.	519844	16/122,247	9/5/2018	Computer System And Computer-Executed Method For Inventory Valuation	2019-0139060			PUBLISHED	US
Groupon, Inc.	518120	16/127,341	9/11/2018	Method, Apparatus, And Computer Readable Medium For Providing A Digital Unwrapping	2019-0095980			PUBLISHED	US
Groupon, Inc.	519566	16/129,992	9/13/2018	Method And Apparatus For Identifying Related Records	2019-0012324			PUBLISHED	US
Groupon, Inc.	519565	16/133,835	9/18/2018	Systems And Methods For Providing Consumer Facing Point-Of-Sale Interfaces	2019-0172033			PUBLISHED	US
Groupon, Inc.	484518	16/139,944	9/24/2018	Transaction Processing System	2019-0026763			PUBLISHED	US
Groupon, Inc.	518119	16/151,503	10/4/2018	System For Marketing Campaign Specification And Secure Digital Coupon Redemption	2019-0205913			PUBLISHED	US
Groupon, Inc.	518742	16/154,089	10/8/2018	Deal Allocation Platform	2019-0213642			PUBLISHED	US
Groupon, Inc.	518802	16/154,757	10/9/2018	Electronically Referring A Contact Without Divulging Contact Data	2019-0215292			PUBLISHED	US
Groupon, Inc.	519859	16/180,674	11/5/2018	Method And System For Adjusting Item Relevance Based On Consumer Interactions	2019-0243537			PUBLISHED	US
Groupon, Inc.	524359	16/196,918	11/20/2018	Consumer Device Payment Token Management	2019-0295066			PUBLISHED	US
Groupon, Inc.	525222	16/212,019	12/6/2018	Centralized, Scalable, Resource Monitoring System	2019-0296994			PUBLISHED	US
Groupon, Inc.	525258	16/217,087	12/12/2018	Method And Apparatus For Determining Promotion Pricing Parameters	2019-0279258			PUBLISHED	US
Groupon, Inc.	523935	16/225,143	12/19/2018	Inbox Management System	2019-0287131			PUBLISHED	US
Groupon, Inc.	525263	16/238,473	1/2/2019	Predictive Recommendation System Using Price Boosting	2019-0279253			PUBLISHED	US
Groupon, Inc.	525264	16/238,476	1/2/2019	Predictive Recommendation System Using Absolute Relevance	2019-0279254			PUBLISHED	US
Groupon, Inc.	526166	16/238,241	1/2/2019	Facilitating Reward Program For Consumer Transactions And Redemptions Of Deal Offers	2019-0279245			PUBLISHED	US
Groupon, Inc.	526395	16/238,468	1/2/2019	Predictive Recommendation System Using Contextual Relevance	2019-0318390			PUBLISHED	US
Groupon, Inc.	526394	16/245,354	1/11/2019	Method, Apparatus, And Computer Program Product For Controlling Content Distribution	2019-0149588			PUBLISHED	US
Groupon, Inc.	526634	16/249,058	1/16/2019	Automated Deal Guide User Interface	2019-0318384			PUBLISHED	US
Groupon, Inc.	523938	16/257,335	1/25/2019	Interactive Personalized Graphical Feedback Overlay	2019-0324627			PUBLISHED	US
Groupon, Inc.	527492	16/264,177	1/31/2019	Consumer Presence Based Deal Offers	2019-0370861			PUBLISHED	US
Groupon, Inc.	527391	16/265,087	2/1/2019	Method For Determining Provider Parameters Including A Provider Margin	2019-0303979			PUBLISHED	US
Groupon, Inc.	527393	16/270,722	2/8/2019	System, Apparatus, And Method For Page Composition	2019-0278834			PUBLISHED	US
Groupon, Inc.	528023	16/279,731	2/19/2019	Automated Adaptive Data Analysis Using Dynamic Data Quality Assessment	2019-0258954			PUBLISHED	US
Groupon, Inc.	527892	16/284,016	2/25/2019	Fine Print Builder	2019-0311408			PUBLISHED	US



Groupon, Inc.	527893	16/295,036	3/7/2019	Method, Apparatus, System, And Computer Program Product For Selecting An Image Associated	2019-0279249			PUBLISHED	US
Groupon, Inc.	528938	16/295,506	3/7/2019	System And Method For Error Detection And Monitoring Of Object-Asset Pairs	2020-0042374			PUBLISHED	US
Groupon, Inc.	527895	16/352,908	3/14/2019	Customized Deal Generation	2019-0303958			PUBLISHED	US
Groupon, Inc.	528798	16/371,199	4/1/2019	Learning User Interface	2019-0391727			PUBLISHED	US
Groupon, Inc.	527054	16/380,526	4/10/2019	Deal Generation Using Point-Of-Sale Systems And Related Methods	2019-0370864			PUBLISHED	US
Groupon, Inc.	528845	16/386,483	4/17/2019	Method, Apparatus, And Computer Readable Medium For Providing A Self-Service Interface	2019-0318393			PUBLISHED	US
Groupon, Inc.	528855	16/394,659	4/25/2019	Peer-To-Peer Payment Processing	2020-0019951			PUBLISHED	US
Groupon, Inc.	528857	16/397,333	4/29/2019	Cadence Management System For Consumer Promotions	2019-0355013			PUBLISHED	US
Groupon, Inc.	527035	16/401,509	5/2/2019	Method, Apparatus, And Computer Program Products For Providing Real Time Incentives	2019-0259053			PUBLISHED	US
Groupon, Inc.	501912	16/411,177	5/14/2019	System, Method, And Computer Program Product For Automated Discovery, Curation and Editing Of	2020-0004797			PUBLISHED	US
Groupon, Inc.	528865	16/417,949	5/21/2019	Method, Apparatus, And Computer Program Product For Classification Of Documents	2019-0340430			PUBLISHED	US
Groupon, Inc.	528985	16/418,232	5/21/2019	Curating Training Data For Incremental Re-Training Of A Predictive Model	2020-0012963			PUBLISHED	US
Groupon, Inc.	528986	16/418,267	5/21/2019	Dynamic Clustering For Streaming Data	2020-0050614			PUBLISHED	US
Groupon, Inc.	528864	16/419,091	5/22/2019	Automated Approval Of Generated Promotions	2019-0347688			PUBLISHED	US
Groupon, Inc.	528846	16/420,478	5/23/2019	Method, Apparatus, And Computer Program Product For Calculating A Provider Quality	2019-0347700			PUBLISHED	US
Groupon, Inc.	528847	16/427,380	5/31/2019	Dynamic Promotion Analytics	2020-0027119			PUBLISHED	US
Groupon, Inc.	528860	16/432,167	6/5/2019	Obfuscation Of Email Addresses	2019-0288987			PUBLISHED	US
Groupon, Inc.	529294	16/433,762	6/6/2019	Automated Dynamic Data Quality Assessment	2020-0027018			PUBLISHED	US
Groupon, Inc.	532750	16/433,570	6/6/2019	System, Method, Apparatus, And Computer Program Product For Providing A Cache Mechanism	2019-0361817			PUBLISHED	US
Groupon, Inc.	531401	16/434,757	6/7/2019	Method And Apparatus For Clustering Platform Sessions And User Accounts Associated With	2019-0378163			PUBLISHED	US
Groupon, Inc.	532752	16/437,111	6/11/2019	Promotion System For Determining And Correcting For Insufficiency Of Promotion Data	2020-0005352			PUBLISHED	US
Groupon, Inc.	532349	16/439,073	6/12/2019	Mobile Visual Locator	2020-0034883			PUBLISHED	US
Groupon, Inc.	532754	16/451,254	6/25/2019	Facilitating Consumer Payments And Redemptions Of Deal Offers	2020-0051107			PUBLISHED	US
Groupon, Inc.	533783	16/455,042	6/27/2019	Mobile Proximity Based Messages	2020-0100052			PUBLISHED	US
Groupon, Inc.	533798	16/459,679	7/2/2019	Pay-For-Visit Advertising Based On Visits To Physical Locations	2020-0034895			PUBLISHED	US
Groupon, Inc.	534008	16/502,729	7/3/2019	Method, System, And Apparatus For Rapid Geographic Search In An Actor-Based Geographic Search	2020-0012668			PUBLISHED	US
Groupon, Inc.	533797	16/507,148	7/10/2019	Method And Apparatus For Generating An Electronic Communication	2020-0043032			PUBLISHED	US

Groupon, Inc.	533856	16/511,045	7/15/2019	Method, Apparatus, And Computer Program Product For Classification And Tagging Of	2020-0050617			PUBLISHED	US
Groupon, Inc.	532191	16/535,596	8/8/2019	Method, Apparatus, And Computer Program Product For Automated Approval of A	2019-0362380			PUBLISHED	US
Groupon, Inc.	532192	16/536,350	8/9/2019	Method, Apparatus, And Computer Program Product For Auto-Replenishing An Inventory Of	2019-0362375			PUBLISHED	US
Groupon, Inc.	534859	16/542,349	8/16/2019	Method, Apparatus, And Computer Program Product For Facilitating The Playback Of	2020-0042151			PUBLISHED	US
Groupon, Inc.	534883	16/545,412	8/20/2019	Reimpression Promotion System	2020-0051119			PUBLISHED	US
Groupon, Inc.	536018	16/547,340	8/21/2019	Processing Dynamic Data Within An Adaptive Oracle-Trained Learning System Using Curated	2019-0378044			PUBLISHED	US
Groupon, Inc.	535112	16/551,953	8/27/2019	Facilitating Online Transactions	2020-0058058			PUBLISHED	US
Groupon, Inc.	536275	16/552,531	8/27/2019	Apparatus And Method For Enhanced Message Targeting	2020-0090187			PUBLISHED	US
Groupon, Inc.	533187	16/566,658	9/10/2019	Systems And Methods For Optimizing A Webpage Based On Historical And Semantic	2020-0081934			PUBLISHED	US
Groupon, Inc.	537819	16/574,762	9/18/2019	Method, Apparatus, And Computer Program Product For Providing Mobile Location Based	2020-0082418			PUBLISHED	US
Groupon, Inc.	534137	16/576,984	9/20/2019	Method And System For A Predefined Suite Of Consumer Interactions For Initiating	2020-0125250			PUBLISHED	US
Groupon, Inc.	537897	16/579,716	9/23/2019	Enforcing Diversity In Ranked Relevance Results Returned From A Universal Relevance Service	2020-0162531			PUBLISHED	US
Groupon, Inc.	538292	16/587,085	9/30/2019	Deal Program Life Cycle	2020-0202385			PUBLISHED	US
Groupon, Inc.	539169	16/660,517	10/22/2019	Discovery Of New Business Openings Using Web Content Analysis	2020-0160358			PUBLISHED	US
Groupon, Inc.	538712	16/661,642	10/23/2019	Employee Profile For Customer Assignment, Analytics And Tip Payments	2020-0202398			PUBLISHED	US
Groupon, Inc.	539550	16/670,948	10/31/2019	Real-Time Predictive Recommendation System Using Per-Set Optimization	2020-0143429			PUBLISHED	US
Groupon, Inc.	539756	16/671,774	11/1/2019	Location Based Advertising Systems	2020-0065861			PUBLISHED	US
Groupon, Inc.	540108	16/682,031	11/13/2019	Apparatus And Method For Utilizing Immediate Gratification Promotions	2020-0184506			PUBLISHED	US
Groupon, Inc.	539970	16/684,754	11/15/2019	Method And Apparatus For Payment, Return On Investment, And Impact Reporting	2020-0193467			PUBLISHED	US
Groupon, Inc.	541252	16/704,948	12/5/2019	Universal Relevance Service Framework	2020-0184532			PUBLISHED	US
Groupon, Inc.	541254	16/726,101	12/23/2019	Forecasting Demand Using Hierarchical Temporal Memory	2020-0210870			PUBLISHED	US
Groupon, Inc.	539531	16/744,405	1/16/2020	Method, Apparatus, And Computer Program Product For Ranking Content Channels	2020-0151188			PUBLISHED	US

**TRADEMARKS**

Country	Mark Name	Status	Filed Date	Application No.	Reg. Date	Registration No.	Owner
United States of America	AMPLIFIER	Registered	11/21/2013	86/126175	3/22/2016	4920349	LivingSocial, LLC
United States of America	B (STYLIZED)	Registered	9/13/2013	86/064,132	4/14/2015	4,720,984	Groupon, Inc.
United States of America	CHATTY CAT	Registered	8/29/2014	86/381,315	7/14/2015	4,774,258	Groupon, Inc.
United States of America	FORM + FOCUS	Registered	4/28/2015	86/612,179	3/28/2017	5,172,113	Groupon, Inc.
United States of America	FORM + FOCUS	Registered	8/8/2016	87/130,166	3/21/2017	5,168,546	Groupon, Inc.
United States of America	FORM + FOCUS	Registered	1/13/2017	87/300,902	8/29/2017	5,274,964	Groupon, Inc.
United States of America	G PASS & DESIGN	Registered	3/21/2012	85/575,528	5/12/2015	4,735,586	Groupon, Inc.
United States of America	G-PASS	Registered	12/5/2011	85/487,426	12/10/2013	4,448,299	Groupon, Inc.
United States of America	GROUPON	Registered	4/3/2014	86/240,902	12/8/2015	4,867,729	Groupon, Inc.
United States of America	GROUPON	Registered	7/3/2012	85/668,357	12/22/2015	4,874,693	Groupon, Inc.
United States of America	GROUPON	Registered	3/10/2009	77/687,604	9/22/2009	3,685,954	Groupon, Inc.
United States of America	GROUPON	Registered	7/3/2012	85/979,543	5/26/2015	4,744,246	Groupon, Inc.
United States of America	GROUPON	Registered	4/1/2016	86/961,123	5/9/2017	5,201,398	Groupon, Inc.
United States of America	GROUPON	Registered	4/1/2016	86/961,127	6/13/2017	5,224,305	Groupon, Inc.
United States of America	GROUPON	Registered	4/1/2016	86/961,190	6/13/2017	5,224,306	Groupon, Inc.
United States of America	GROUPON	Registered	4/1/2016	86/961,195	5/9/2017	5,201,399	Groupon, Inc.
United States of America	GROUPON	Registered	7/25/2016	87/114,915	1/10/2017	5,119,539	Groupon, Inc.
United States of America	GROUPON ACT NOW	Registered	11/26/2018	88/205,517	7/2/2019	5,793,209	Groupon, Inc.
United States of America	GROUPON GOODS	Registered	8/29/2011	85/409,592	3/12/2013	4,302,184	Groupon, Inc.
United States of America	GROUPON GOODS GATEWAY	Registered	4/2/2018	87/859,653	9/25/2018	5,570,694	Groupon, Inc.
United States of America	GROUPON GOODS GATEWAY	Registered	4/2/2018	87/859,545	9/25/2018	5,570,693	Groupon, Inc.
United States of America	GROUPON GRASSROOTS	Registered	7/15/2013	86/010,426	9/16/2014	4,606,880	Groupon, Inc.
United States of America	GROUPON LOGO	Registered	7/3/2012	85/668,414	12/13/2016	5,100,539	Groupon, Inc.
United States of America	GROUPON LOGO	Registered	3/14/2011	85/266,548	10/9/2012	4,222,645	Groupon, Inc.
United States of America	GROUPON MERCHANT	Registered	9/9/2015	86/752,209	6/6/2017	5,219,206	Groupon, Inc.

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**TRADEMARK  
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United States of America	GROUPON MERCHANT	Registered	9/9/2015	86/752,205	12/19/2017	5,360,422	Groupon, Inc.
United States of America	GROUPON MERCHANT	Registered	9/9/2015	86/752,212	12/19/2017	5,360,423	Groupon, Inc.
United States of America	GROUPON MERCHANT & DESIGN	Registered	9/9/2015	86/752,216	6/20/2017	5,228,797	Groupon, Inc.
United States of America	GROUPON MERCHANT & DESIGN	Registered	9/9/2015	86/752,214	6/20/2017	5,228,796	Groupon, Inc.
United States of America	GROUPON MERCHANT & DESIGN	Registered	9/9/2015	86/752,213	6/6/2017	5,219,207	Groupon, Inc.
United States of America	GROUPON PAYMENTS	Registered	9/19/2012	85/733,472	3/21/2017	5,166,603	Groupon, Inc.
United States of America	GROUPON PEOPLE	Registered	9/6/2017	87/597,849	9/18/2018	5,563,833	Groupon, Inc.
United States of America	GROUPON RESERVE	Registered	10/18/2011	85/450,098	1/29/2013	4,283,740	Groupon, Inc.
United States of America	GROUPON SELECT	Registered	3/21/2018	87/843,453	3/19/2019	5,704,982	Groupon, Inc.
United States of America	GROUPON TO GO	Registered	5/20/2015	86/635,658	5/31/2016	4,970,391	Groupon, Inc.
United States of America	GROUPON TO GO	Registered	5/20/2015	86/635,671	11/3/2015	4,846,131	Groupon, Inc.
United States of America	GROUPON TO GO	Registered	5/20/2015	86/635,664	11/3/2015	4,846,130	Groupon, Inc.
United States of America	GROUPON TO GO	Registered	5/20/2015	86/635,653	5/31/2016	4,970,389	Groupon, Inc.
United States of America	GROUPON VIP	Registered	11/11/2011	85/470,495	3/26/2013	4,309,987	Groupon, Inc.
United States of America	GROUPON VOLUNTEERS	Registered	2/1/2018	87/780,239	9/25/2018	5,569,261	Groupon, Inc.
United States of America	GROUPON WINES	Registered	8/29/2014	86/381,303	7/14/2015	4,774,257	Groupon, Inc.
United States of America	GROUPON+	Registered	8/21/2017	87/576,914	2/27/2018	5,412,952	Groupon, Inc.
United States of America	GROUPON+	Registered	8/1/2017	87/551,342	4/10/2018	5,442,615	Groupon, Inc.
United States of America	GROUPONLIVE	Registered	1/20/2011	85/222,076	12/6/2011	4,068,591	Groupon, Inc.
United States of America	GROUPONSULTATION	Registered	4/15/2016	87/002,331	3/7/2017	5,157,898	Groupon, Inc.
United States of America	GROUPONWORKS	Registered	9/23/2010	85/136,402	5/24/2011	3,965,842	Groupon, Inc.
United States of America	HAVE-DONES	Registered	5/13/2016	87/036,835	8/7/2018	5,532,654	Groupon, Inc.
United States of America	HAVES	Registered	5/13/2016	87/036,830	8/7/2018	5,536,280	Groupon, Inc.
United States of America	IF YOU'RE GOING TO OWN SOMETHING... OWN THE EXPERIENCE	Registered	5/13/2016	87/036,815	2/6/2018	5,393,931	Groupon, Inc.
United States of America	JAZZY CAT	Registered	8/29/2014	86/381,320	7/14/2015	4,774,259	Groupon, Inc.
United States of America	LIFE IS A LIMITED TIME OFFER	Registered	5/13/2016	87/036,811	4/17/2018	5,449,075	Groupon, Inc.

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**REEL: 007006 FRAME: 0409**

United States of America	LIVINGSOCIAL	Registered	4/22/2010	85/020494	12/7/2010	3886244	LivingSocial, LLC
United States of America	LIVINGSOCIAL	Registered	4/23/2010	85/022066	2/15/2011	3921220	LivingSocial, LLC
United States of America	LIVINGSOCIAL	Registered	7/5/2017	87/516,775	1/30/2018	5,391,280	LivingSocial, LLC
United States of America	LIVINGSOCIAL & Balloons Logo	Registered	2/23/2011	85/249,761	11/15/2011	4,055,498	LivingSocial, LLC
United States of America	LOCAL HEART, GLOBAL IMPACT	Registered	5/15/2018	87/921,575	1/15/2019	5,654,358	Groupon, Inc.
United States of America	LOCAL HEART, GLOBAL IMPACT Design	Registered	5/15/2018	87/921,568	1/15/2019	5,654,357	Groupon, Inc.
United States of America	LOOK FORWARD WE'VE GOT YOUR BACK	Registered	8/4/2016	87/127,639	7/11/2017	5,242,900	Groupon, Inc.
United States of America	LOOK FORWARD WE'VE GOT YOUR BACK	Registered	8/4/2016	87/126,826	8/7/2018	5,536,349	Groupon, Inc.
United States of America	MERCHANT DESIGN	Registered	9/9/2015	86/752,219	6/6/2017	5,219,208	Groupon, Inc.
United States of America	MERCHANT DESIGN	Registered	9/9/2015	86/752,220	6/20/2017	5,228,798	Groupon, Inc.
United States of America	MERCHANT DESIGN	Registered	9/9/2015	86/752,223	6/6/2017	5,219,209	Groupon, Inc.
United States of America	OAK & RUSH	Registered	9/24/2013	86/979,930	9/6/2016	5,038,104	Groupon, Inc.
United States of America	OLIVE STREET	Registered	7/24/2014	86/347,700	2/28/2017	5,151,587	Groupon, Inc.
United States of America	OLIVE STREET	Registered	7/24/2014	86/978,695	5/3/2016	4,953,210	Groupon, Inc.
United States of America	ONTEK	Registered	10/4/2013	86/082,896	4/19/2016	4,941,779	Groupon, Inc.
United States of America	ONTEK	Registered	11/6/2014	86/446,362	1/12/2016	4,886,789	Groupon, Inc.
United States of America	ORDERUP	Registered	11/17/2015	86/823,272	12/27/2016	5,107,817	Groupon, Inc.
United States of America	ORDERUP	Registered	11/17/2015	86/823,279	12/27/2016	5,107,818	Groupon, Inc.
United States of America	ORDERUP	Registered	11/16/2015	86/820,901	12/27/2016	5,107,803	Groupon, Inc.
United States of America	ORDERUP	Registered	11/16/2015	86/820,907	8/2/2016	5,011,700	Groupon, Inc.
United States of America	ORDERUP	Registered	11/16/2015	86/821,108	12/27/2016	5,107,807	Groupon, Inc.
United States of America	ORDERUP	Registered	11/16/2015	86/820,913	12/27/2016	5,107,804	Groupon, Inc.
United States of America	ORDERUP	Registered	11/16/2015	86/820,918	12/27/2016	5,107,805	Groupon, Inc.
United States of America	OWN THE EXPERIENCE	Registered	5/13/2016	87/036,827	9/4/2018	5,556,242	Groupon, Inc.
United States of America	RESTAURANTS PLUS	Registered	9/14/2015	86/755904	4/19/2016	4941342	LivingSocial, LLC
United States of America	REWRITE THE LIST	Registered	9/10/2019	88/611,441	6/16/2020	6,081,945	Groupon, Inc.
United States of America	SNAP BY GROUPON	Registered	9/12/2014	86/393,000	8/18/2015	4,793,339	Groupon, Inc.

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**TRADEMARK**  
**REEL: 007006 FRAME: 0410**

United States of America	SNAP BY Groupon & DESIGN	Registered	10/1/2014	86/411,952	7/28/2015	4,780,646	Groupon, Inc.
United States of America	SNAZZY CAT	Registered	8/29/2014	86/381,324	7/14/2015	4,774,260	Groupon, Inc.
United States of America	SOCIOLOGY	Registered	11/4/2014	86/444,659	9/20/2016	5,046,149	Groupon, Inc.
United States of America	SPACESHIP CAT DESIGN	Registered	8/2/2013	86/027,424	4/12/2016	4,937,119	Groupon, Inc.
United States of America	STAMPEDE	Registered	4/29/2013	85/917621	1/6/2015	4665537	LivingSocial, LLC
United States of America	TAKE THE NEXT STEP TO GROW YOUR BUSINESS	Registered	8/4/2016	87/126,830	7/11/2017	5,242,899	Groupon, Inc.
United States of America	TAKE THE NEXT STEP TO GROW YOUR BUSINESS	Registered	8/4/2016	87/126,828	7/11/2017	5,242,898	Groupon, Inc.
United States of America	TOP CAT	Registered	8/29/2014	86/381,326	10/6/2015	4,828,538	Groupon, Inc.
United States of America	VECTOR CAT DESIGN	Registered	8/2/2013	86/027,399	4/26/2016	4,946,594	Groupon, Inc.
United States of America	VECTOR CAT DESIGN	Registered	8/2/2013	86/978,509	4/12/2016	4,938,544	Groupon, Inc.
United States of America	WEXLEY HOME	Registered	11/25/2014	86/464,895	8/30/2016	5,032,528	Groupon, Inc.
United States of America	YOU ONLY LIVE ONCE. BUT YOU CAN ALWAYS LIVE MORE.	Registered	5/13/2016	87/036,821	1/8/2019	5,649,670	Groupon, Inc.

**PATENT AND TRADEMARK LICENSES**

None

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