

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5558802

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JPMORGAN CHASE BANK, N.A.	05/31/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	GLAS USA LLC	
<b>Street Address:</b>	3 SECOND STREET	
<b>Internal Address:</b>	SUITE 206	
<b>City:</b>	JERSEY CITY	
<b>State/Country:</b>	NEW JERSEY	
<b>Postal Code:</b>	07311	
<b>Name:</b>	GLAS AMERICAS LLC	
<b>Street Address:</b>	3 SECOND STREET	
<b>Internal Address:</b>	SUITE 206	
<b>City:</b>	JERSEY CITY	
<b>State/Country:</b>	NEW JERSEY	
<b>Postal Code:</b>	07311	
<b>PROPERTY NUMBERS Total: 87</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	11408599	
Application Number:	15082266	
Application Number:	13181049	
Application Number:	14979756	
Application Number:	16013719	
Application Number:	13896862	
Application Number:	14041554	
Application Number:	14047571	
Application Number:	14075726	
Application Number:	14075773	
Application Number:	14143931	
Application Number:	14212211	
Application Number:	14294009	

PATENT

Property Type	Number
Application Number:	14306109
Application Number:	14451335
Application Number:	14560703
Application Number:	15233177
Application Number:	15233300
Application Number:	15819256
Application Number:	15879991
Application Number:	15880041
Application Number:	14793688
Application Number:	15344989
Application Number:	09526535
Application Number:	09226174
Application Number:	11019217
Application Number:	09543763
Application Number:	12639609
Application Number:	11349037
Application Number:	11209862
Application Number:	11486707
Application Number:	14337100
Application Number:	13224182
Application Number:	14742993
Application Number:	15149916
Application Number:	09595677
Application Number:	11488126
Application Number:	11573987
Application Number:	11412903
Application Number:	12626677
Application Number:	12626003
Application Number:	12105111
Application Number:	12056490
Application Number:	12144557
Application Number:	13160753
Application Number:	12623482
Application Number:	12623498
Application Number:	11481789
Application Number:	11481984
Application Number:	13229645
Application Number:	12816021

Property Type	Number
Application Number:	12870764
Application Number:	13627372
Application Number:	13925667
Application Number:	12692419
Application Number:	13920024
Application Number:	11761813
Application Number:	12758901
Application Number:	14137285
Application Number:	14223585
Application Number:	11680938
Application Number:	14199576
Application Number:	14320446
Application Number:	14792559
Application Number:	15270617
Application Number:	09543736
Application Number:	10314267
Application Number:	10067869
Application Number:	09826814
Application Number:	09373625
Application Number:	10297914
Application Number:	11138412
Application Number:	11653308
Application Number:	09251480
Application Number:	10501141
Application Number:	09505632
Application Number:	10937505
Application Number:	10937355
Application Number:	11143705
Application Number:	10937503
Application Number:	10498003
Application Number:	10937305
Application Number:	10937367
Application Number:	10937504
Application Number:	13593078
Application Number:	09730592
Application Number:	11153377

**CORRESPONDENCE DATA**

**Fax Number:** (216)579-0212

**Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.**

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**Address Line 1:** 901 LAKESIDE AVENUE

**Address Line 2:** NORTH POINT

**Address Line 4:** CLEVELAND, OHIO 44114

<b>ATTORNEY DOCKET NUMBER:</b>	943772-600001
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<b>NAME OF SUBMITTER:</b>	DANIEL PULJIC
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<b>SIGNATURE:</b>	/Daniel Puljic/
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<b>DATE SIGNED:</b>	06/06/2019
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**Total Attachments: 15**

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**ASSIGNMENT OF PATENT SECURITY AGREEMENT**

This ASSIGNMENT OF PATENT SECURITY AGREEMENT ("Assignment"), dated as of May 31, 2019, is between JPMORGAN CHASE BANK, N.A. (as the current and resigning administrative agent and collateral agent, the "Resigning Agent"), GLAS USA LLC (as the successor administrative agent, together with its successors and assigns, the "Successor Administrative Agent"), and GLAS AMERICAS LLC (as the successor collateral agent, together with its successors and assigns, the "Successor Collateral Agent", and together with the Successor Administrative Agent, the "Successor Agent").

WHEREAS, CATALINA MARKETING CORPORATION, MODIV MEDIA, LLC (f/k/a Modiv Media, Inc.), CELLFIRE LLC (f/k/a Cellfire Inc.) (individually, each a "Grantor", and, collectively, the "Grantors") and Resigning Agent entered into that certain Patent Security Agreement, dated as of February 15, 2019, and recorded in the United States Patent and Trademark Office on February 20, 2019 at Reel/Frame No. 048384/0211 (the "Patent Security Agreement"), pursuant to which the Grantor granted security interest in the intellectual property indentified on Exhibit A hereto (the "Subject Patents"); and

WHEREAS, pursuant to that certain Notice of Appointment of Successor Administrative Agent and Collateral Agent and Acceptance Thereof, Resigning Agent has assigned to Successor Agent all of its rights, remedies, duties and other obligations under, among other documents, the Patent Security Agreement and to the Subject Patents, in each instance, in its capacity as administrative agent and collateral agent, as the case may be.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Resigning Agent hereby assigns and transfers to Successor Agent and its successors and assigns, all of its rights, title and interest in and to the Patent Security Agreement and the Subject Patents.

This Assignment may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Assignment by signing and delivering one or more counterparts.

This Assignment and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with the law of the State of New York.

[Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have caused this Assignment to be duly executed as of the date above first written.

**JPMORGAN CHASE BANK, N.A.,**  
as Resigning Agent

By:   
Name: Tina Ruyter  
Title: Executive Director

**GLAS USA LLC,**  
as Successor Administrative Agent

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**GLAS AMERICAS LLC,**  
as Successor Collateral Agent

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

IN WITNESS WHEREOF, the parties hereto have caused this Assignment to be duly executed as of the date above first written.


**JPMORGAN CHASE BANK, N.A.,**  
as Resigning Agent

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**GLAS USA LLC,**  
as Successor Administrative Agent

By:  \_\_\_\_\_  
Name: ADAM BERMAN  
Title: VICE PRESIDENT

**GLAS AMERICAS LLC,**  
as Successor Collateral Agent

By:  \_\_\_\_\_  
Name: ADAM BERMAN  
Title: VICE PRESIDENT

**Exhibit A**

**PATENTS AND PATENT APPLICATIONS**

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Paying For Placement For Advertising On Mobile Devices	11408599	4/20/06			Cellfire Inc.	Pending
Delivering Targeted Advertising to Mobile Devices	15082266	3/28/16			Cellfire Inc.	Pending
System And Method Of A Media Delivery Services Platform For Targeting Consumers In Real Time	13181049	7/12/11			Modiv Media, Inc.	Pending
System And Method For Administering A Loyalty Program And Processing Payments	14979756	12/28/15			Modiv Media, Inc.	Allowed
Machine Learning For Marketing Of Branded Consumer Products	16013719	6/20/18			Catalina Marketing Corporation	Pending
System And Method Of Initiating In-Trip Audits In A Self-Checkout System	13896862	5/17/13			Catalina Marketing Corporation	Pending
Method And System For Generating Real-Time Directions Associated With Product Promotions	14041554	9/30/13			Catalina Marketing Corporation	Pending

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Method And System For Electronic Delivery Of Incentive Information Based On User Proximity	14047571	10/7/13			Catalina Marketing Corporation	Pending
Method And System For Generating Intelligent Electronic Banners Based On User Information	14075726	11/8/13			Catalina Marketing Corporation	Pending
System And Method For Providing Relative Price Point Incentives Based Upon Prior Customer Purchase Behavior	14075773	11/8/13			Catalina Marketing Corporation	Pending – On Appeal
Method And System For Electronic Distribution Of Incentives Having Real-Time Consumer-Based Directions	14143931	12/30/13			Catalina Marketing Corporation	Pending
System And Method For Selective Auditing Of Mobile Commerce Baskets	14212211	3/14/14			Catalina Marketing Corporation	Pending
Method And System For Generating Certificates Having Unique ID Data	14294009	6/2/14			Catalina Marketing Corporation	Abandoned

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Price Paid Database Method And System	14306109	6/16/14			Catalina Marketing Corporation	Pending
POS Printing Triggered By Pharmacy Prescription Orders	14451335	8/4/14			Catalina Marketing Corporation	Pending
System And Method Of Identifying Mobile Devices Of Users Involved In Purchase Transactions	14560703	12/4/14			Catalina Marketing Corporation	Pending - On Appeal
Self-Configuring Networked Media Hub Devices With Automated Configuration And Failover Recovery Of Peers	15233177	8/10/16			Catalina Marketing Corporation	Pending
Media Hub Devices With Passive Monitoring Of User Devices And Targeted Media Transmission Through In-Channel Transmission Or Shifted Channel Transmission	15233300	8/10/16			Catalina Marketing Corporation	Pending
Real-World Conversion Tracking System	15819256	11/21/17			Catalina Marketing Corporation	Pending

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Offer Personalization Engine For Targeted Marketing Of Branded Consumer Packaged Goods	15879991	1/25/18			Catalina Marketing Corporation	Pending
Offer Personalization Engine For Targeted Marketing Of Consumer Packaged Goods	15880041	1/25/18			Catalina Marketing Corporation	Pending
Delivering Targeted Advertising To Mobile Devices	14793688	7/7/15			Cellfire, Inc.	Pending
System and Method for Providing Shopping Aids and Incentives to Customers through a Computer Network	15/344989	11/7/16			Catalina Marketing Corporation	Pending
Method And System For Delivering Targeted Research Invitations	09/526535	3/16/00	8612292	12/17/13	Catalina Marketing Corporation	Granted
Communicating With A Computer Based On An Updated Purchase Behavior Classification Of A Particular Consumer	09/226174	1/7/99	6055573	4/25/00	Catalina Marketing Corporation	Granted

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
System And Method For Providing Shopping Aids And Incentives To Customers Through A Computer Network	11/019217	12/23/04	7233913	6/19/07	Catalina Marketing Corporation	Granted
Method And System For Generating Certificates Having Unique Id Data	09/543763	4/5/00	8473342	6/25/13	Catalina Marketing Corporation	Granted
Delivering Targeted Advertising To Mobile Devices	12/639609	12/16/09	9298677	3/29/16	Cellfire Inc.	Granted
Delivering Targeted Advertising To Mobile Devices	11/349037	2/6/06	9785973	10/10/17	Cellfire Inc.	Granted
System And Method For User Controlled Log-In; Interacting And Log-Out	11/209862	8/23/05	8626130	1/7/14	Modiv Media, Inc.	Granted
System And Method For Administering A Loyalty Program And Processing Payments	11/486707	7/14/06	8783561	7/22/14	Modiv Media, Inc.	Granted
System And Method For Administering A Loyalty Program And Processing Payments	14/337100	7/21/14	9224154	12/29/15	Modiv Media, Inc.	Granted
System And Method Of A Media Delivery Services Platform For Targeting Consumers In Real Time	13/224182	9/1/11	9811836	11/7/17	Modiv Media, Inc.	Granted

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
System And Method Of Encoding Item Information From A Scale In A Self-Service Scanning Solution	14/742993	6/18/15	10001403	6/19/18	Catalina Marketing Corporation	Granted
System And Method Of Providing A Particular Number Of Distributions Of Media Content Through A Plurality Of Distribution Nodes	15/149916	5/9/16	10102541	10/16/18	Catalina Marketing Corporation	Granted
Method Of And System For Managing Promotions For Purchase Transactions Over A Network	09/595677	6/19/00	7599850	10/6/09	Catalina Marketing Corporation	Granted
Combination Printer and Its Paper	11/488126	7/18/06	7708360	5/4/10	Catalina Marketing Corporation	Granted
System Of Performing A Retrospective Drug Profile Review Of De-Identified Patients	11/573987	2/20/07	7778930	8/17/10	Catalina Marketing Corporation	Granted
Data Structure And Architecture For Processing Transaction Data	11/412903	4/28/06	7788125	8/31/10	Catalina Marketing Corporation	Granted
Targeted Incentives Based Upon Predicted Behavior	12/626677	11/26/09	8001044	8/16/11	Catalina Marketing Corporation	Granted
Targeted Incentives Based Upon Predicted Behavior	12/626003	11/25/09	8005753	8/23/11	Catalina Marketing Corporation	Granted

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Integration Of Multiple Consumer Communications	12/105111	4/17/08	8082177	12/20/11	Catalina Marketing Corporation	Granted
Store Solutions	12/056490	3/27/08	8104671	1/31/12	Catalina Marketing Corporation	Granted
Method Of And System For Managing Promotions For Purchase Transactions Over A Network	12/144557	6/23/08	8108251	1/31/12	Catalina Marketing Corporation	Granted
Incentive Network For Distributing Incentives On A Network-Wide Basis And For Permitting User Access To Individual Incentives From A Plurality Of Network Servers	13/160753	6/15/11	8219651	7/10/12	Catalina Marketing Corporation	Granted
Small Store System	12/623482	11/23/09	8271324	9/18/12	Catalina Marketing Corporation	Granted
Small Store System	12/623498	11/23/09	8275655	9/25/12	Catalina Marketing Corporation	Granted
Color Printer Technology	11/481789	7/7/06	8363265	1/29/13	Catalina Marketing Corporation	Granted
Integrated POS Computer System	11/481984	7/7/06	8392243	3/5/13	Catalina Marketing Corporation	Granted
Store Solutions	13/229645	9/9/11	8464929	6/18/13	Catalina Marketing Corporation	Granted
Virtual Couponing Method and Apparatus for Use with Consumer Kiosk	12/816021	6/15/10	8626581	1/7/14	Catalina Marketing Corporation	Granted

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Assumed Demographics, Predicted Behavior, and Targeted Incentives	12/870764	8/27/10	8650065	2/11/14	Catalina Marketing Corporation	Granted
Dimensional Translator	13/627372	9/26/12	8678272	3/25/14	Catalina Marketing Corporation	Granted
Method And System For Generating Certificates Having Unique ID Data	13/925667	6/24/13	8744907	6/3/14	Catalina Marketing Corporation	Granted
Combination Printer And Its Paper	12/692419	1/22/10	8764138	7/1/14	Catalina Marketing Corporation	Granted
Store Solutions	13/920024	6/17/13	8789749	7/29/14	Catalina Marketing Corporation	Granted
POS Printing Triggered By Pharmacy Prescription Orders	11/761813	6/12/07	8799020	8/5/14	Catalina Marketing Corporation	Granted
Color Printer Technology	12/758901	4/13/10	8964244	4/24/15	Catalina Marketing Corporation	Granted
System And Method Of Encoding Item Information From A Scale In A Self-Service Scanning Solution	14/137285	12/20/13	9062999	6/23/15	Catalina Marketing Corporation	Granted
Dimensional Translator	14/223585	3/24/14	9076121	7/7/15	Catalina Marketing Corporation	Granted
POS Network Including Printing and Highlighting	11/680938	3/1/07	9305438	4/5/16	Catalina Marketing Corporation	Granted

TITLE	APPLN NO.	FILED	Patent No.	GRANT DATE	CURRENT OWNER	STATUS
System And Method Of Providing A Particular Number Of Distributions Of Media Content Through A Plurality Of Distribution Nodes	14/199576	3/6/14	9336537	5/10/16	Catalina Marketing Corporation	Granted
Combination Printer And Its Paper	14/320446	6/30/14	9390595	7/12/16	Catalina Marketing Corporation	Granted
Dimensional Translator	14/792559	7/6/15	9471933	10/18/16	Catalina Marketing Corporation	Granted
Dimensional Translator	15/270617	9/20/16	9830616	11/28/17	Catalina Marketing Corporation	Granted
System and method for bar code rendering and recognition	09/543736	4/5/00	6493110	12/10/02	Catalina Marketing Corporation	Granted
System and method for bar code rendering and recognition	10/314267	12/9/02	6882442	4/19/05	Catalina Marketing Corporation	Granted
System and method for using cards for sponsored programs	10/067869	2/8/02	7398248	7/8/08	Catalina Marketing Corporation	Granted
Method and system for providing promotions to a customer based on the status of previous promotions	09/826814	4/6/01	7415426	8/19/08	Catalina Marketing Corporation	Granted
In-vehicle promotions system	09/373625	8/13/99	7426480	9/16/08	Catalina Marketing Corporation	Granted
Targeted incentives based upon predicted behavior	10/297914	6/13/03	7653594	1/26/10	Catalina Marketing Corporation	Granted

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Method and system for providing promotions to a customer based on the status of previous promotions	11/138412	5/27/05	7870019	1/11/11	Catalina Marketing Corporation	Granted
Coupon and internet search method and system with mapping engine	11/653308	1/16/0	7933895	4/26/11	Catalina Marketing Corporation	Granted
Incentive network for distributing incentives on a network-wide basis and for permitting user access to individual incentives from a plurality of network servers	09/251480	2/17/99	7958224	6/7/11	Catalina Marketing Corporation	Granted
Product recall using customer prior shopping history data	10/501141	7/13/04	8180669	5/15/12	Catalina Marketing Corporation	Granted
System and method for distributing information through cooperative communication network sites	09/505632	2/16/00	8224691	7/17/12	Catalina Marketing Corporation	Granted
Method and system for managing inventory and promotions campaign based on redemption data	10/937505	9/10/04	8301494	10/30/12	Catalina Marketing Corporation	Granted

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Proximity-based method and system for generating customized incentives	10/937355	9/10/04	8484076	7/9/13	Catalina Marketing Corporation	Granted
Method and system for generating real-time directions associated with product promotions	11/143705	6/3/05	8548847	10/1/13	Catalina Marketing Corporation	Granted
Method and system for electronic delivery of incentive information based on user proximity	10/937503	9/10/04	8554611	10/8/13	Catalina Marketing Corporation	Granted
System and method for providing relative price point incentives based upon prior customer purchase behavior	10/498003	6/14/04	8583474	11/12/13	Catalina Marketing Corporation	Granted
Method and system for generating intelligent electronic banners based on user information	10/937305	9/10/04	8583475	11/12/13	Catalina Marketing Corporation	Granted
Method and system for presenting banners having direct link to user profile information	10/937367	9/10/04	8620732	12/31/13	Catalina Marketing Corporation	Granted

<b>TITLE</b>	<b>APPLN NO.</b>	<b>FILED</b>	<b>Patent No.</b>	<b>GRANT DATE</b>	<b>CURRENT OWNER</b>	<b>STATUS</b>
Method and system for electronic distribution of incentives having real-time consumer-based directions	10/937504	9/10/04	8620733	12/31/13	Catalina Marketing Corporation	Granted
Small Store System	13/593078	8/23/12	8620737	12/31/13	Catalina Marketing Corporation	Granted
Price paid database method and system	09/730592	12/7/00	8756154	6/17/14	Catalina Marketing Corporation	Granted
Amber alert system and method for locating missing children	11/153377	6/16/05	8768856	7/1/14	Catalina Marketing Corporation	Granted