

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6138953

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HPS INVESTMENT PARTNERS, LLC	06/01/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROVI SOLUTIONS CORPORATION
<b>Street Address:</b>	2160 GOLD STREET
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95002
<b>Name:</b>	ROVI TECHNOLOGIES CORPORATION
<b>Street Address:</b>	2160 GOLD STREET
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95002
<b>Name:</b>	ROVI GUIDES, INC.
<b>Street Address:</b>	2160 GOLD STREET
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95002
<b>Name:</b>	TIVO SOLUTIONS, INC.
<b>Street Address:</b>	2160 GOLD STREET
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95002
<b>Name:</b>	VEVEO, INC.
<b>Street Address:</b>	2160 GOLD STREET
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95002
<b>PROPERTY NUMBERS Total: 2260</b>	

<b>Property Type</b>	<b>Number</b>
Patent Number:	6542609
Patent Number:	6950520
Patent Number:	7356142
Patent Number:	6826352
Patent Number:	7065506
Patent Number:	6839312
Patent Number:	7050698
Patent Number:	6842522
Patent Number:	6928040
Patent Number:	6931547
Patent Number:	7236683
Patent Number:	7530116
Patent Number:	7340778
Patent Number:	7624282
Patent Number:	7865057
Patent Number:	7701825
Patent Number:	8059937
Patent Number:	7721338
Patent Number:	7877810
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Patent Number:	7715934
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Patent Number:	8355621
Patent Number:	7570641
Patent Number:	8155315
Patent Number:	7809943
Patent Number:	7716138
Patent Number:	8086722
Patent Number:	8254761
Patent Number:	7877457
Patent Number:	8695103
Patent Number:	8375461
Patent Number:	8930718
Patent Number:	8254470

<b>Property Type</b>	<b>Number</b>
Patent Number:	8428258
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Patent Number:	8526794
Patent Number:	8108336
Patent Number:	8239443
Patent Number:	8374489
Patent Number:	8248532
Patent Number:	8280049
Patent Number:	8644680
Patent Number:	8306403
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Patent Number:	7395545
Patent Number:	8094818
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Patent Number:	7310764
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Patent Number:	7278169
Patent Number:	8166566
Patent Number:	8374347
Patent Number:	7907727
Patent Number:	8259939
Patent Number:	8365307
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Patent Number:	8412775
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Patent Number:	6539395
Patent Number:	7277766
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Patent Number:	8352259
Patent Number:	8359315
Patent Number:	8620967
Patent Number:	8209313
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Patent Number:	8521759
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Patent Number:	7437318
Patent Number:	8484244
Patent Number:	8335801
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Patent Number:	9239890
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Patent Number:	D678311
Patent Number:	D672363
Patent Number:	D677686
Patent Number:	D689064
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Patent Number:	8842131
Patent Number:	9146616
Patent Number:	D740839
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<b>Property Type</b>	<b>Number</b>
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<b>Patent Number:</b>	9620172
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<b>Patent Number:</b>	9967509

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Patent Number:	9374560
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Patent Number:	8640166
Patent Number:	9038103
Patent Number:	8127329
Patent Number:	9185332
Patent Number:	8387089
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Patent Number:	8429686
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Patent Number:	10425670
Patent Number:	8719857
Patent Number:	10045087
Patent Number:	7962942
Patent Number:	9088827
Patent Number:	9271042
Patent Number:	10057655
Patent Number:	8079044
Patent Number:	8402488
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Patent Number:	9516367
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Patent Number:	8909032
Patent Number:	8578416
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Patent Number:	8694396
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Patent Number:	8640165
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Patent Number:	8799954
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Patent Number:	8160426
Patent Number:	8989561
Patent Number:	9723363
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Patent Number:	8793742
Patent Number:	9118978
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Patent Number:	9731193
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<b>Patent Number:</b>	8504652
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<b>Patent Number:</b>	8909729
<b>Patent Number:</b>	8122466
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<b>Patent Number:</b>	9648364
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<b>Patent Number:</b>	6622168
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<b>Property Type</b>	<b>Number</b>
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Patent Number:	7925779
Patent Number:	8346963
Patent Number:	7574723
Patent Number:	8931010
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Patent Number:	7574691
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Patent Number:	8107010
Patent Number:	8976297
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Patent Number:	10405053
Patent Number:	7904923
Patent Number:	7929551
Patent Number:	9621605
Patent Number:	10375146
Patent Number:	8607268
Patent Number:	8365222
Patent Number:	8683522
Patent Number:	8320746
Patent Number:	8276182
Patent Number:	7546357
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Patent Number:	7904930
Patent Number:	7882525
Patent Number:	9967621
Patent Number:	9204200
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Patent Number:	6678737
Patent Number:	7185363
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Patent Number:	7558846
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Patent Number:	7076734
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<b>Property Type</b>	<b>Number</b>
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Patent Number:	7543324
Patent Number:	7895627
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Patent Number:	7554606
Patent Number:	7633553
Patent Number:	6956622
Patent Number:	7151576
Patent Number:	7136112
Patent Number:	6975363
Patent Number:	7495705
Patent Number:	7589791
Patent Number:	7257638
Patent Number:	7546375
Patent Number:	7519723
Patent Number:	8387093
Patent Number:	8621518
Patent Number:	7260312
Patent Number:	7272300
Patent Number:	7522817
Patent Number:	7577336
Patent Number:	7130846
Patent Number:	8132118
Patent Number:	7263632
Patent Number:	7519845
Patent Number:	7614071
Patent Number:	7281261
Patent Number:	7627889
Patent Number:	7836466
Patent Number:	7885971
Patent Number:	7788498
Patent Number:	6906755
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Patent Number:	7996459
Patent Number:	7394967
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Patent Number:	8340645

<b>Property Type</b>	<b>Number</b>
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<b>Patent Number:</b>	7023973
<b>Patent Number:</b>	6931657
<b>Patent Number:</b>	7093273
<b>Patent Number:</b>	7475417
<b>Patent Number:</b>	6742182
<b>Patent Number:</b>	6772438
<b>Patent Number:</b>	7587748
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<b>Property Type</b>	<b>Number</b>
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<b>Patent Number:</b>	8634876
<b>Patent Number:</b>	9223412
<b>Patent Number:</b>	9152969
<b>Patent Number:</b>	9967632
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<b>Patent Number:</b>	7089307
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<b>Patent Number:</b>	7026964
<b>Patent Number:</b>	7148823
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Property Type	Number
Patent Number:	7099951
Patent Number:	7836193
Patent Number:	8284739
Patent Number:	7596127
Patent Number:	7106715
Patent Number:	7310679
Patent Number:	7406598
Patent Number:	8249527
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Patent Number:	9363677
Patent Number:	6591363
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<b>Property Type</b>	<b>Number</b>
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<b>Patent Number:</b>	7379661
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<b>Patent Number:</b>	7577677
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<b>Patent Number:</b>	7394675
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<b>Patent Number:</b>	8566871



Property Type	Number
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Patent Number:	7685641
Patent Number:	6868225
Patent Number:	6757906
Patent Number:	8220021
Patent Number:	9113218
Patent Number:	9686591
Patent Number:	9113219
Patent Number:	8516520
Patent Number:	8689265
Patent Number:	9788068
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Patent Number:	6850691
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Property Type	Number
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Patent Number:	7558472
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Patent Number:	9094718

<b>Property Type</b>	<b>Number</b>
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<b>Patent Number:</b>	8761585
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<b>Patent Number:</b>	8401366
<b>Patent Number:</b>	9374605
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<b>Patent Number:</b>	10097880
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<b>Patent Number:</b>	9521453
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<b>Patent Number:</b>	8359616
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<b>Application Number:</b>	16424237
<b>Application Number:</b>	16424250
<b>Application Number:</b>	16433646
<b>Application Number:</b>	16522332

<b>Property Type</b>	<b>Number</b>
Application Number:	16658510
Application Number:	16447592
Application Number:	16528539
Application Number:	16528541
Application Number:	16528550
Application Number:	16424122
Application Number:	16455384
Application Number:	16427107
Application Number:	62843785
Application Number:	16519844
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Application Number:	16506440
Application Number:	16428404
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Application Number:	16561654
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Application Number:	16457231
Application Number:	16457236
Application Number:	16520199
Application Number:	16456275
Application Number:	16526191
Application Number:	16448269
Application Number:	16518840
Application Number:	16525364
Application Number:	16523781
Application Number:	16523782
Application Number:	16523881
Application Number:	16520282
Application Number:	16541785
Application Number:	16541788
Application Number:	16540521
Application Number:	62923276

<b>Property Type</b>	<b>Number</b>
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Application Number:	16557934
Application Number:	16557936
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Application Number:	16557918
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Application Number:	16580400
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Application Number:	15061111
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Application Number:	14941981
Application Number:	16509312
Application Number:	16593613
Application Number:	16598333
Application Number:	15949547
Application Number:	16005199
Application Number:	16196647
Application Number:	16175678

<b>Property Type</b>	<b>Number</b>
Application Number:	16182200
Application Number:	16045274
Application Number:	16577041
Application Number:	16358420
Application Number:	15343538
Application Number:	15658210
Application Number:	16248383
Application Number:	16510514
Application Number:	14805939
Application Number:	16596594
Application Number:	16017478
Application Number:	16243931
Application Number:	16517273
Application Number:	16170872
Application Number:	16182072
Application Number:	16213926
Application Number:	15977845
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Application Number:	15605412
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Application Number:	16017172
Application Number:	16128315
Application Number:	16397408
Application Number:	14685372
Application Number:	13570976
Application Number:	16432430
Application Number:	16189791
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Application Number:	16248187
Application Number:	16248308
Application Number:	16174073
Application Number:	16276470

Property Type	Number
Application Number:	16036362
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Application Number:	15228847
Application Number:	15277288
Application Number:	16171093
Application Number:	16015492
Application Number:	15913609
Application Number:	16164280
Application Number:	16296928
Application Number:	16296948
Application Number:	16296953
Application Number:	16406813
Application Number:	16553337
Application Number:	16201679

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<b>ATTORNEY DOCKET NUMBER:</b>	107980/17
<b>NAME OF SUBMITTER:</b>	WILLIAM J. CASEY
<b>SIGNATURE:</b>	/William J. Casey/
<b>DATE SIGNED:</b>	06/05/2020

**Total Attachments: 47**

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- source=Wildlife - Patent Release (TiVo Term Loan)#page6.tif



**RELEASE OF SECURITY INTEREST IN PATENTS**

Release of Security Interest in Patents, dated as of June 1, 2020, by HPS INVESTMENT PARTNERS, LLC, as collateral agent (“Releasor”) to ROVI SOLUTIONS CORPORATION, ROVI TECHNOLOGIES CORPORATION, ROVI GUIDES, INC., TIVO SOLUTIONS INC., and VEVEO, INC. (each individually, a “Releasee” and, collectively, the “Releasees”).

WITNESSETH:

WHEREAS, pursuant to that certain Patent Security Agreement, dated as of November 22, 2019 (the “Patent Security Agreement”), recorded in the United States Patent and Trademark Office (“USPTO”) on November 22, 2019 under Reel/Frame 051143/0468, by Releasees to Releasor, each Releasee, as collateral security for the payment and performance in full of all the Secured Obligations, pledged and granted to Releasor for the benefit of the Secured Parties a lien on and security interest in and to all of its right, title and interest in, to and under (a) all the Patents of such Releasee listed on Schedule A attached hereto; (b) Patent Licenses, pursuant to which a third party is granting rights to any Releasee, included in the Material Intellectual Property Collateral listed on Schedule A attached hereto; and (c) all Proceeds of any and all of the foregoing (other than Excluded Property) (collectively, the “Patent Collateral”); and

WHEREAS, each Releasee has requested, and Releasor has agreed to execute, acknowledge and deliver, this Release of Security Interest in Patents to terminate the Patent Security Agreement and confirm the release, relinquishment and discharge of its continuing security interest in, to and under the Patent Collateral.

NOW, THEREFORE, in consideration of and in exchange for good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, Releasor hereby agrees as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, capitalized terms used herein shall have the meaning given to them in the Patent Security Agreement.

SECTION 2. Release of Security Interest. Releasor hereby, without any representation or warranty and without any recourse to Releasor, terminates the Patent Security Agreement and hereby terminates, releases, relinquishes and discharges its lien on and security interest in and to all of its right, title and interest in, to and under the Patent Collateral.

SECTION 3. Further Assurances. The Releasor further agrees to execute and deliver to each Releasee any and all further documents and instruments, and do any and all further acts which each Releasee (or its agents or designees) may reasonably request, at such Releasee’s sole cost and expense, in order to confirm this Release of Security Interest in Patents and such Releasee’s right, title, and interest in or to the Patent Collateral.

SECTION 4. Governing Law. THIS RELEASE OF SECURITY INTEREST IN PATENTS SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAW OF THE STATE OF NEW YORK.

[Remainder of page intentionally left blank.]

IN WITNESS WHEREOF, Releasor has caused this Release of Security Interest in Patents to be duly executed as of the date first written above.

HPS INVESTMENT PARTNERS, LLC

By: 

Name: Vikas Keswani

Title: Managing Director

[Patent Release]

**PATENT**  
**REEL: 053458 FRAME: 0812**



**SCHEDULE A**

PATENTS

To be attached.







Row Guides, Inc.	US	Issued	13,073,285	02/28/2011	2011-01794-0	07/14/2011	6,118,868	08/26/2018	08/04/2018	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR USING PLAYLISTS
Row Guides, Inc.	US	Issued	13,088,838	12/20/2011	2012-00783-85	03/29/2012	8,861,589	08/26/2018	12/24/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR USING PLAYLISTS
Row Guides, Inc.	US	Pending	15,644,973	04/02/2018	2018-02275-33	08/26/2018				Rowi Guides, Inc.	SYSTEMS AND METHODS FOR USING PLAYLISTS
Row Guides, Inc.	US	Issued	11,232,984	12/28/2008	2009-01743-06	07/26/2009	7,765,235	07/27/2010	05/28/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR USING PLAYLISTS
Row Guides, Inc.	US	Issued	11,234,201	12/29/2008	2009-01743-05	07/16/2009	6,214,868	07/23/2012	05/18/2028	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR USING PLAYLISTS
Row Guides, Inc.	US	Issued	13,487,518	06/04/2012	2012-0240-45	06/20/2012	6,374,840	06/21/2016	12/28/2025	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS
Row Guides, Inc.	US	Issued	10,159,448	05/18/2010	2010-02093-96	06/15/2010	10,385,138	07/20/2019	12/28/2025	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS
Row Guides, Inc.	US	Issued	12,681,514	10/22/2010	2011-00469-12	04/26/2011	6,884,340	03/17/2015	06/07/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR MANAGING A STATUS CHANGE OF A MULTIMEDIA ASSET IN MULTIMEDIA DELIVERY SYSTEMS
Row Guides, Inc.	US	Issued	12,683,028	12/15/2009	2010-02512-81	06/20/2010	8,883,168	11/14/2014	11/14/2025	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,998,863	03/02/2008	2008-02076-65	11/02/2008	6,488,840	07/16/2013	12/12/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	13,815,478	06/14/2013	2014-00368-62	01/22/2014	6,783,802	08/05/2017	12/12/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Pending	10,668,406	08/03/2017	2018-01730-7	04/19/2018				Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	12,651,281	07/18/2009	2009-01820-08	04/17/2010	6,640,166	07/16/2014	05/08/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	14,132,385	12/18/2013	2014-01094-43	04/17/2014	6,035,103	05/18/2018	05/08/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	10,183,386	05/11/2008	2008-02076-65	11/02/2008	6,137,239	07/28/2013	05/08/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	13,283,725	07/18/2012	2012-01161-16	05/24/2012	6,185,342	11/11/2018	05/08/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,451,128	05/08/2010	2010-02020-08	04/19/2010	6,391,089	07/20/2019	12/27/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,432,516	05/08/2010	2010-02020-08	04/19/2010	6,056,651	07/10/2012	12/27/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	13,048,782	03/16/2011	2011-01648-1	07/27/2011	6,797,738	07/22/2014	07/10/2028	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	10,970,632	12/03/2011	2011-03034-73	03/29/2012	6,436,886	04/23/2013	05/08/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,571,303	08/24/2008	2008-00661-63	03/12/2008	6,082,340	05/12/2015	08/23/2028	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	14,701,022	05/01/2015	2015-02048-81	06/10/2015	6,380,340	06/28/2016	06/23/2028	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	10,182,207	06/14/2011	2011-02045-81	12/08/2010	6,794,897	08/26/2017	08/24/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	15,068,523	05/20/2017	2018-02014-10	01/24/2018	10,252,079	08/24/2018	08/24/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,075,247	08/24/2008	2008-02020-08	06/18/2008	6,116,837	08/06/2014	07/15/2031	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	14,218,446	03/18/2014	2014-01448-8	11/22/2013	10,045,487	08/07/2018	08/24/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Pending	10,048,990	07/12/2018	2018-03381-84	11/22/2018				Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,985,787	02/28/2010	2010-02020-08	11/24/2011	7,466,242	06/14/2011	08/09/2028	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	13,102,783	05/06/2011	2011-02801-71	11/24/2011	6,038,937	07/21/2015	08/08/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	14,870,877	08/27/2014	2014-01310-37	12/18/2014	6,271,042	08/23/2016	02/28/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	15,048,646	02/22/2016	2016-01528-68	06/23/2016	10,057,665	08/21/2018	02/28/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Pending	15,088,686	05/20/2018	2018-01144-88	05/29/2018				Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,401,654	04/10/2008	2008-01222-84	05/13/2008	6,076,444	12/13/2011	05/10/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	12,538,367	08/11/2008	2008-01222-84	05/13/2008	6,462,488	03/18/2013	12/28/2026	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	12,027,380	08/10/2011	2011-02844-5	12/07/2011	6,627,389	07/07/2016	07/20/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	14,142,283	11/02/2014	2014-01879-20	07/23/2014	6,516,387	12/06/2016	11/23/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,784,130	04/02/2007	2007-02020-08	07/23/2007	6,542,884	08/24/2013	08/02/2020	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	13,871,211	08/22/2013	2013-03046-86	12/19/2013	6,669,032	12/09/2014	04/03/2027	Rowi Guides, Inc.	ADVANCED RECORDING OPTIONS FOR INTERACTIVE MEDIA GUIDANCE APPLICATION SYSTEMS
Row Guides, Inc.	US	Issued	11,789,416	04/27/2007	2007-02020-08	07/16/2007	6,598,416	11/05/2013	07/14/2028	Rowi Guides, Inc.	ADVANCED RECORDING OPTIONS FOR INTERACTIVE MEDIA GUIDANCE APPLICATION SYSTEMS
Row Guides, Inc.	US	Issued	10,404,233	10/02/2013	2013-03032-92	07/10/2014	10,024,044	04/27/2027	04/27/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Pending	16,015,410	06/26/2018	2018-03376-96	12/27/2018				Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,837,246	07/11/2007	2007-02020-08	08/26/2007	6,467,737	03/26/2013	10/21/2030	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	12,035,841	12/28/2007	2008-02020-08	03/13/2008	6,884,396	04/08/2014	11/23/2030	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,858,675	07/17/2007	2007-02020-08	03/13/2008	6,745,661	06/02/2014	10/11/2031	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	14,228,824	04/22/2014	2014-02288-86	06/14/2014	6,413,987	07/13/2027	07/13/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	14,228,824	04/22/2014	2014-02288-86	06/14/2014	6,427,854	08/22/2016	01/17/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Pending	10,042,589	07/28/2018	2018-02028-64	07/17/2018				Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,858,676	07/13/2007	2007-02020-08	03/13/2008	6,641,065	08/08/2021	08/08/2021	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,858,676	07/13/2007	2007-02020-08	03/13/2008	7,485,134	07/26/2017	05/20/2028	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	11,858,678	07/13/2007	2007-02020-08	03/13/2008	6,281,341	11/02/2012	08/09/2028	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION
Row Guides, Inc.	US	Issued	14,218,338	06/26/2014	2014-02046-82	12/15/2014	6,344,526	07/10/2017	07/13/2027	Rowi Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A SCROLL RECORDING AND SUMMARY INFORMATION



Row Technologies Corporation	US	12345.275	01/02/2017	20170115557	04/27/2017	10138.888	11/27/2018	05/20/2022	Row Technologies Corporation	FANTASY SPORTS CONTENT HIGH-LOFT SECUREMENT SYSTEMS AND METHODS
Row Technologies Corporation	US	10234.345	10/24/2018	20180206832	02/21/2019	8.556.828	08/32/2019	05/25/2026	Row Technologies Corporation	FANTASY SPORTS CONTENT HIGH-LOFT SECUREMENT SYSTEMS AND METHODS
Row Technologies Corporation	US	13543.590	07/12/2013	20130303291	11/14/2013	9.358.402	06/07/2016	06/07/2016	Row Technologies Corporation	SYSTEMS AND METHODS FOR ROSTER MANAGEMENT IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	5147.832	05/18/2016	20160330344	11/04/2016	9.751.183	03/15/2017	05/30/2022	Row Technologies Corporation	SYSTEMS AND METHODS FOR ROSTER MANAGEMENT IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	14876.747	05/14/2017	20170301214	12/21/2017	10.891.188	03/27/2019	05/30/2022	Row Technologies Corporation	SYSTEMS AND METHODS FOR ROSTER MANAGEMENT IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	10234.906	05/30/2002	05/30/2002	05/30/2002	8.176.518	05/30/2002	07/08/2020	Row Technologies Corporation	SYSTEMS AND METHODS FOR PROVIDING FANTASY SPORTS CONTENTS BASED ON SUBEVENTS
Row Technologies Corporation	US	24483.714	09/16/2008	09/16/2008	12/16/2010	7.546.242	06/16/2009	05/21/2025	Row Technologies Corporation	SYSTEMS AND METHODS FOR INTEGRATING GRAPHIC ANIMATION TECHNOLOGIES IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	12345.106	05/02/2010	20100315426	07/16/2010	7.312.655	07/18/2011	05/30/2022	Row Technologies Corporation	SYSTEMS AND METHODS FOR INTEGRATING GRAPHIC ANIMATION TECHNOLOGIES IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	12345.082	12/10/2010	20110118416	03/31/2011	8.223.154	07/17/2012	05/30/2022	Row Technologies Corporation	SYSTEMS AND METHODS FOR INTEGRATING GRAPHIC ANIMATION TECHNOLOGIES IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	13457.338	06/18/2012	20120304071	11/26/2012	8.462.566	03/16/2013	05/30/2022	Row Technologies Corporation	SYSTEMS AND METHODS FOR INTEGRATING GRAPHIC ANIMATION TECHNOLOGIES IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	14876.517	02/13/2013	20130118234	07/11/2013	8.047.734	06/02/2015	05/30/2022	Row Technologies Corporation	SYSTEMS AND METHODS FOR INTEGRATING GRAPHIC ANIMATION TECHNOLOGIES IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	14876.005	04/28/2015	20150324427	09/11/2015	10.302.248	04/16/2019	05/30/2022	Row Technologies Corporation	SYSTEMS AND METHODS FOR INTEGRATING GRAPHIC ANIMATION TECHNOLOGIES IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	10234.504	03/20/2019	20190205178	05/15/2019	8.366.318	03/12/2020	05/30/2022	Row Technologies Corporation	SYSTEMS AND METHODS FOR INTEGRATING GRAPHIC ANIMATION TECHNOLOGIES IN FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	10234.346	05/30/2002	05/30/2002	07/14/2004	7.014.844	11/10/2009	05/19/2027	Row Technologies Corporation	SYSTEMS AND METHODS FOR PROVIDING MULTIPLE FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	10234.570	05/30/2002	05/30/2002	07/14/2004	7.001.278	02/21/2006	06/03/2024	Row Technologies Corporation	SYSTEMS AND METHODS FOR PROVIDING MULTIPLE FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	10234.833	04/28/2003	20040305840	01/15/2004	7.343.311	03/11/2008	05/17/2025	Row Technologies Corporation	SYSTEMS AND METHODS FOR PROVIDING MULTIPLE FANTASY SPORTS CONTENT APPLICATIONS
Row Technologies Corporation	US	11482.112	03/03/2008	20080309423	02/03/2007	7.482.244	03/17/2009	07/08/2027	Row Technologies Corporation	SECURE TELECOMMUNICATIONS SYSTEM FOR WIRELESS LOCAL AREA NETWORKS
Row Technologies Corporation	US	08403.047	06/26/2000	06/26/2000	05/30/2002	6.366.318	03/12/2002	06/26/2020	Row Technologies Corporation	IN-PLACE DEVICE HAVING AN ANISOTROPIC-CONDUCTIVE ADHESIVE FILM
Row Technologies Corporation	US	09044.184	05/31/2001	20040126234	01/22/2004	7.478.003	01/13/2009	12/02/2021	Row Technologies Corporation	NON-VOLATILE LIQUID CRYSTAL DISPLAY HAVING STORAGE CAPACITORS OF AREA SMALLER THAN THAT OF PIXEL ELECTRODES
Row Technologies Corporation	US	09044.034	05/31/2001	20030504411	05/26/2002	7.219.488	05/26/2007	05/16/2022	Row Technologies Corporation	STOCK TRADING APPLICATION PROGRAM
Row Technologies Corporation	US	08044.038	05/31/2001	20030207011	03/14/2002	7.739.821	06/15/2010	04/12/2020	Row Technologies Corporation	INTERFACE AND PROGRAM USING MEDIA DATA ARRANGEMENTS FOR EXPRESSING USER PREFERENCES CONCERNING AN ACTION OR TRANSACTION
Row Technologies Corporation	US	11232.212	01/03/2003	200305059145	12/29/2005	8.086.159	12/21/2011	05/30/2022	Row Technologies Corporation	INTERFACE AND METHOD ADAPTED FOR CAPTURING SUBJECTIVE PREFERENCES OF PROGRAM USERS
Row Technologies Corporation	US	10234.832	12/28/2001	12/28/2001	07/22/2006	8.048.813	10/25/2011	02/03/2022	Row Technologies Corporation	METHOD AND SYSTEM FOR DELIVERING CONTENT OVER A NETWORK
Row Technologies Corporation	US	23483.701	03/03/2008	20080127244	07/22/2008	8.048.813	03/10/2009	12/06/2025	Row Technologies Corporation	SYSTEM FOR PROVIDING FAULT TOLERANT DATA WAREHOUSE ENVIRONMENT BY TEMPORARILY TRANSMITTING DATA TO ALTERNATE DATA WAREHOUSE
Row Technologies Corporation	US	08483.477	11/02/2001	11/02/2001	10/25/2007	8.504.822	05/04/2010	02/03/2022	Row Technologies Corporation	METHOD OF ENHANCING MEDIA CONTENT AND A MEDIA ENHANCEMENT SYSTEM
Row Technologies Corporation	US	11480.888	04/10/2006	20070205973	10/25/2007	8.504.822	05/04/2010	02/03/2022	Row Technologies Corporation	METHOD AND SYSTEM FOR SELECTIVELY SUPPLYING MEDIA CONTENT TO A USER AND MEDIA STORAGE DEVICE FOR USE THEREIN
Row Technologies Corporation	US	08483.477	11/02/2001	11/02/2001	07/16/2007	8.488.728	12/06/2010	05/31/2022	Row Technologies Corporation	INTERFACE, MULTIMEDIA DELIVERY SYSTEM
Row Technologies Corporation	US	11740.763	03/12/2007	20070164643	07/16/2007	8.488.728	12/06/2010	05/31/2022	Row Technologies Corporation	SYSTEM AND METHOD FOR SHARING DIGITAL MEDIA CONTENT
Row Technologies Corporation	US	11482.436	01/11/2007	20070113264	05/17/2007	8.172.466	03/27/2012	10/17/2022	Row Technologies Corporation	SYSTEM AND METHOD FOR SHARING DIGITAL MEDIA CONTENT
Row Technologies Corporation	US	12783.236	05/14/2010	20100223337	08/22/2010	8.838.883	08/16/2014	11/20/2021	Row Technologies Corporation	SYSTEM AND METHOD FOR PLAYING DIGITAL MEDIA CONTENT
Row Technologies Corporation	US	32771.004	04/03/2010	20100216450	05/19/2010	8.386.931	03/12/2013	11/20/2021	Row Technologies Corporation	INTERACTIVE MULTIMEDIA DELIVERY SYSTEM
Row Technologies Corporation	US	14483.527	05/15/2014	20140808012	12/11/2014	8.048.814	05/09/2017	11/20/2021	Row Technologies Corporation	MULTI-USER MEDIA DELIVERY SYSTEM FOR SYNCHRONIZING CONTENT ON MULTIPLE MEDIA PLAYERS
Row Technologies Corporation	US	14483.527	05/15/2014	20140808012	12/11/2014	8.048.814	05/09/2017	11/20/2021	Row Technologies Corporation	MULTI-USER MEDIA DELIVERY SYSTEM FOR SYNCHRONIZING CONTENT ON MULTIPLE MEDIA PLAYERS
Row Technologies Corporation	US	10152.204	05/21/2002	05/21/2002	07/05/2015	7.005.815	06/27/2008	05/21/2022	Row Technologies Corporation	MULTI-USER MEDIA DELIVERY SYSTEM FOR SYNCHRONIZING CONTENT ON MULTIPLE MEDIA PLAYERS
Row Technologies Corporation	US	32760.758	04/19/2010	20100302091	12/23/2010	8.444.416	02/04/2014	04/28/2028	Row Technologies Corporation	METHOD AND APPARATUS FOR DISPLAYING MESSAGES IN COMPUTER SYSTEMS
Row Technologies Corporation	US	08483.385	04/20/2001	20030206717	11/06/2003	7.110.644	08/16/2006	05/26/2024	Row Technologies Corporation	MANAGE MEDIA PERFORMANCE MONITORING
Row Technologies Corporation	US	114571.825	09/08/2008	20081060013	07/19/2007	8.193.243	03/13/2012	04/28/2027	Row Technologies Corporation	METHOD AND APPARATUS FOR INDEXING AND ARCHIVING ENCODED ADVERTISEMENTS DATA
Row Technologies Corporation	US	11927.248	02/02/2007	20070202936	10/23/2008	8.346.935	01/27/2014	02/10/2025	Row Technologies Corporation	METHOD AND APPARATUS FOR INDEXING AND ARCHIVING ENCODED ADVERTISEMENTS DATA
Row Technologies Corporation	US	14157.150	01/16/2014	20140123683	05/28/2014	8.520.215	11/22/2016	05/21/2021	Row Technologies Corporation	METHOD AND APPARATUS FOR INDEXING AND ARCHIVING ENCODED ADVERTISEMENTS DATA
Row Technologies Corporation	US	09353.215	03/01/2001	20030303844	03/31/2002	8.332.478	12/17/2012	05/14/2027	Row Technologies Corporation	METHOD AND APPARATUS FOR INDEXING AND ARCHIVING ENCODED ADVERTISEMENTS DATA
Row Technologies Corporation	US	08472.265	11/24/2000	11/24/2000	05/22/2008	8.662.168	08/16/2009	10/21/2021	Row Technologies Corporation	CONTENT SENSITIVE COMGESTED CONTENT
Row Technologies Corporation	US	10063.320	07/01/2004	20040128618	07/01/2004	7.562.185	06/23/2008	10/21/2021	Row Technologies Corporation	DYNAMIC PAGE GENERATION ACCELERATION USING COMPONENT-LEVEL CACHING
Row Technologies Corporation	US	09023.016	07/02/2000	07/02/2000	07/16/2004	7.468.122	03/20/2010	10/20/2021	Row Technologies Corporation	DYNAMIC PAGE GENERATION ACCELERATION USING COMPONENT-LEVEL CACHING BY DETRAINING A MAXIMUM NAVIGATION PROBABILITY FOR A PARTICULAR CACHELINE
Row Technologies Corporation	US	13121.100	03/23/2011	20110715867	07/21/2011	8.711.332	03/26/2014	06/07/2028	Row Technologies Corporation	USING ENCODED DATA WITH FILE SHARING
Row Technologies Corporation	US	12345.817	12/28/2008	20110118971	07/27/2011	8.483.548	07/09/2013	10/15/2029	Row Technologies Corporation	METHOD AND APPARATUS FOR RECEIVING RECORDING APPARATUS
Row Technologies Corporation	US	114571.425	06/28/2006	20060204061	07/26/2001	8.761.288	07/15/2014	03/16/2028	Row Technologies Corporation	DIGITAL BROADCAST RECEIVING APPARATUS
Row Gates, Inc.	US	050766.406	01/22/2001	20010100087	07/26/2001	6.711.345	05/24/2004	12/26/2021	Row Gates, Inc.	METHOD AND APPARATUS FOR SETTING CHANNEL OF DIGITAL BROADCAST RECEIVER
Row Gates, Inc.	US	12083.440	07/27/2010	20100202948	10/21/2010	6.583.938	11/12/2013	10/23/2020	Row Gates, Inc.	MOBILE TERMINAL AND CHAT METHOD IN A MOBILE TERMINAL USING AN INSTANT MESSAGING SERVICE
Row Gates, Inc.	US	13483.381	05/13/2013	20130306367	12/25/2013	8.762.347	08/12/2017	08/08/2021	Row Gates, Inc.	METHOD FOR PROVIDING APPLICATION MENU IN IMAGE DISPLAY DEVICE, AND IMAGE DISPLAY DEVICE SAME





Row Technologies Corporation	US	10888,884	10/16/2003	20050278741	12/15/2005	8,051,450	11/01/2011	05/04/2021	Row Technologies Corporation	QUERY-BASED ELECTRONIC PROGRAM GUIDE
Row Technologies Corporation	US	11783,188	04/24/2007	20050278830	10/30/2008	7,868,891	08/29/2011	04/27/2020	Row Technologies Corporation	ADJUSTMENT OF CLOCK APPROXIMATIONS
Row Technologies Corporation	US	10716,666	11/19/2008	20050158712	05/16/2009	7,564,933	03/26/2011	05/13/2027	Row Technologies Corporation	GENERATING AND MANAGING DIV APPLICATION SIGNALING BASED ON ASSET DEFINITION
Row Technologies Corporation	US	10045,901	10/14/2004	20050088878	04/20/2008	7,004,930	03/28/2011	11/05/2027	Row Technologies Corporation	BROADCAST CONTENT DELIVERY SYSTEMS AND METHODS
Row Technologies Corporation	US	11785,201	04/23/2007	20050283583	10/23/2008	7,482,226	02/01/2011	06/14/2028	Row Technologies Corporation	DYNAMIC PERSONALIZED PROGRAM CONTENT
Row Technologies Corporation	US	13236,860	12/15/2011	20120100051	06/20/2013	6,861,761	03/28/2016	12/15/2031	Row Technologies Corporation	ELECTRONIC PROGRAMMING GUIDE (EPG) AFFINITY CLUSTERS
Row Technologies Corporation	US	12976,100	12/23/2010	20120107674	08/28/2012	6,254,200	12/07/2016	04/07/2031	Row Technologies Corporation	DETERMINING USER INTEREST BASED ON GUIDE NAVIGATION
Row Technologies Corporation	US	11654,721	11/28/2008	20080127242	05/26/2009	7,482,822	02/07/2011	12/18/2027	Row Technologies Corporation	HOME NETWORK, APPLIANCE AND METHOD
Row Technologies Corporation	US	08560,978	04/28/2000	20000127462	05/26/2008	6,616,737	01/13/2004	04/28/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10265,427	10/04/2002	20020120002	05/26/2008	7,185,390	02/27/2007	04/28/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11634,026	01/17/2007	20070124859	05/21/2007	7,305,844	07/04/2025	04/28/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11479,638	08/30/2008	20080202210	07/24/2008	8,015,830	08/06/2011	03/27/2027	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11821,631	06/30/2008	20080466426	02/27/2009	7,540,979	11/23/2010	04/28/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	111724,075	05/13/2005	20050258842	11/01/2006	7,435,405	11/01/2010	04/21/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	08560,606	04/27/2000	20000120002	07/23/2003	7,230,230	08/28/2007	04/27/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11028,732	03/18/2005	20050106256	07/28/2008	7,305,843	12/04/2007	04/27/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11717,747	06/30/2005	20050204982	10/27/2008	7,334,230	02/19/2009	04/27/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	12402,221	03/21/2008	20080127238	07/22/2009	7,818,748	10/16/2010	04/27/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11028,497	03/18/2005	20050106248	07/28/2008	7,506,342	03/17/2008	06/01/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11082,473	03/18/2005	20050106247	07/28/2008	7,552,478	04/27/2009	04/27/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10184,438	08/28/2002	20020200332	07/01/2004	7,808,813	10/05/2010	05/27/2024	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	00441,703	11/01/01/01/01	20010101010	05/26/2008	7,160,232	01/02/2007	11/01/2018	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11715,606	04/27/2007	20070101010	05/26/2008	7,485,417	02/28/2011	12/13/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11115,676	04/27/2007	20070101010	05/26/2008	7,010,138	03/28/2010	07/02/2023	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11115,719	04/27/2007	20070101010	05/26/2008	7,305,842	12/04/2007	11/01/2018	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11275,772	03/15/2006	20060122652	06/20/2007	7,484,361	01/04/2016	11/01/2026	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	08706,446	11/02/2000	20000105621	03/21/2002	7,085,814	08/07/2008	05/22/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	06811,236	05/16/2001	20010100957	03/21/2002	7,138,846	10/31/2008	11/03/2020	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10383,769	05/23/2004	20040206800	12/23/2006	7,487,230	02/03/2009	02/01/2020	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	0881,087	11/04/2004	20040104010	04/07/2008	7,441,019	10/21/2008	08/08/2023	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10881,030	11/02/2004	20040104010	05/26/2008	7,487,230	10/21/2008	03/07/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	112071,700	02/02/2005	20050204065	10/27/2008	7,585,846	07/07/2009	06/11/2021	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	12485,155	06/16/2008	20080101819	12/16/2010	8,460,092	10/04/2016	01/07/2023	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	08584,733	05/14/2001	20010100957	11/14/2002	7,197,729	03/27/2007	05/16/2024	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11676,102	02/16/2007	20070119793	06/27/2007	7,481,469	11/12/2009	09/02/2021	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	12785,330	11/10/2008	20080108815	03/12/2009	7,748,816	06/26/2010	05/14/2021	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11241,662	05/30/2005	20050101881	02/09/2006	7,634,781	12/15/2008	07/18/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	08087,408	06/22/2001	20010106408	12/01/2002	7,070,734	07/11/2008	12/28/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11423,300	06/20/2008	20080204235	12/20/2007	7,467,800	12/07/2008	07/20/2027	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	12058,117	03/26/2003	20030204938	10/17/2008	8,745,604	06/03/2014	07/24/2031	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11664,737	12/27/2007	20070172487	07/22/2009	8,181,217	05/15/2012	09/06/2028	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10084,328	01/31/2002	20020143327	07/12/2003	7,543,234	06/02/2008	12/02/2024	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	12297,184	08/03/2008	20080307182	07/01/2009	7,883,627	02/22/2011	07/19/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10870,902	10/22/2004	20040202874	07/10/2005	7,654,006	06/30/2009	07/07/2023	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10937,103	10/22/2004	20040204188	03/24/2006	7,453,433	12/15/2008	01/07/2023	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10788,881	06/27/2002	20020201162	07/01/2004	8,380,022	10/18/2005	01/03/2024	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11424,848	05/13/2005	20050201843	10/30/2008	7,151,176	12/19/2008	08/28/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11742,835	05/17/2006	20060216412	10/06/2009	7,136,112	11/14/2006	07/07/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	10862,038	05/12/2005	20050216412	02/26/2006	6,975,343	12/13/2005	07/23/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	11424,830	05/12/2005	20050201838	02/26/2006	7,485,795	02/24/2009	07/03/2022	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE
Row Technologies Corporation	US	12355,671	01/16/2008	20080122182	05/14/2009	7,488,181	08/15/2009	08/31/2020	Row Technologies Corporation	USING A FIRST DEVICE TO ENGAGE IN A DIGITAL RIGHTS MANAGEMENT TRANSACTION ON BEHALF OF A SECOND DEVICE

Row Technologies Corporation	US	10232,310	12/20/2001	2020172782	002062203	7,257,838	09142207	07162024	Row Technologies Corporation	DISTRIBUTING NETWORK APPLICATIONS
Row Technologies Corporation	US	11223,718	09152005	20200220385	0702208	7,440,375	00292009	12272021	Row Technologies Corporation	SCALING AND DELIVERING DISTRIBUTED APPLICATIONS
Row Technologies Corporation	US	05152007	2020124251	09132007	7,516,923	04142009	12272021	Row Technologies Corporation	SCALING AND DELIVERING DISTRIBUTED APPLICATIONS	
Row Technologies Corporation	US	02221,715	09232000	2020010040	02262004	8,391,093	02262013	03262026	Row Technologies Corporation	SCALING AND DELIVERING DISTRIBUTED APPLICATIONS
Row Technologies Corporation	US	03765,691	07132013	20130174458	07242013	6,691,518	12312013	08232022	Row Technologies Corporation	MEDIA RECOMMENDATIONS BASED ON WEBSITE FEEDBACK
Row Technologies Corporation	US	00880,802	00282001	2020172489	00252002	7,260,312	08272007	05262024	Row Technologies Corporation	MEDIA RECOMMENDATIONS BASED ON NEGATIVE FEEDBACK
Row Technologies Corporation	US	11242,491	02102005	2020014186	00202005	7,273,200	00182007	00282021	Row Technologies Corporation	METHOD AND APPARATUS FOR STORING CONTENT
Row Technologies Corporation	US	11242,397	02102005	2020014184	00202005	7,452,317	04272009	00282021	Row Technologies Corporation	METHOD AND APPARATUS FOR STORING CONTENT
Row Technologies Corporation	US	11242,396	02102005	20200179048	00202005	7,517,236	00282009	00282021	Row Technologies Corporation	METHOD AND APPARATUS FOR STORING CONTENT
Row Technologies Corporation	US	10448,893	09102003	20200262850	12202004	7,135,446	10312009	08262024	Row Technologies Corporation	INTELLIGENT DEFAULT SELECTION IN AN ON-SCREEN KEYBOARD
Row Technologies Corporation	US	11437,976	10202008	20200288851	02152007	8,132,118	03262012	02122024	Row Technologies Corporation	INTELLIGENT DEFAULT SELECTION IN AN ON-SCREEN KEYBOARD
Row Technologies Corporation	US	00851,490	08202003	2020022581	11172004	7,293,632	08282007	09142025	Row Technologies Corporation	PROGRAMMATIC COMPUTER PROGRAM DIAGNOSIS AND RESOLUTION AND AUTOMATED REPORTING AND UPDATING OF THE SAME
Row Technologies Corporation	US	11225,912	07162005	2020014645	07262006	7,518,845	04142009	04262027	Row Technologies Corporation	SOFTWARE-BASED AUDIO RENDERING
Row Technologies Corporation	US	03820,231	02122004	20200509713	05292008	7,614,071	11232008	04262027	Row Technologies Corporation	SOFTWARE-BASED AUDIO RENDERING
Row Technologies Corporation	US	00850,006	09102003	20200262846	07292003	7,281,201	10302007	00242024	Row Technologies Corporation	REMOTE ACCESSING AND PROGRAMMING A SET TOP BOX
Row Technologies Corporation	US	11437,348	07182007	20200118855	05242007	7,627,889	12072009	05162022	Row Technologies Corporation	REMOTE ACCESSING AND PROGRAMMING A SET TOP BOX
Row Technologies Corporation	US	10161,727	00262002	2020023224	12192003	7,350,468	11162010	07252027	Row Technologies Corporation	REMOTE ACCESSING AND PROGRAMMING A SET TOP BOX
Row Technologies Corporation	US	12026,888	02262008	20200147650	00162008	7,856,971	02262011	07172023	Row Technologies Corporation	METHODS AND SYSTEMS FOR GENERATING ELECTRONIC PROGRAM GUIDES
Row Technologies Corporation	US	11187,090	07222005	20200238447	02282007	7,768,488	08212010	09242028	Row Technologies Corporation	METHODS AND SYSTEMS FOR GENERATING ELECTRONIC PROGRAM GUIDES
Row Technologies Corporation	US	00329,221	07242002	20200128284	07192003	8,060,155	00242028	03212023	Row Technologies Corporation	TABLET APP PASSENGER ENTRY
Row Technologies Corporation	US	10378,874	11072004	20200500753	02172008	7,268,826	08112007	03102023	Row Technologies Corporation	METHOD AND APPARATUS FOR SYNCHRONIZING AUDIO AND VIDEO DATA
Row Technologies Corporation	US	11171,904	00202003	20200228199	10272009	7,460,173	12202008	07202022	Row Technologies Corporation	METHOD AND APPARATUS FOR SYNCHRONIZING AUDIO AND VIDEO DATA
Row Technologies Corporation	US	11448,425	09212008	20200506046	02262008	7,586,488	08262011	04272028	Row Technologies Corporation	METHOD AND APPARATUS FOR SYNCHRONIZING AUDIO AND VIDEO DATA
Row Technologies Corporation	US	10180,215	00272002	20200239724	10392008	7,384,607	07202008	11072025	Row Technologies Corporation	VIDEO SWITCHED DELIVERY OF MEDIA CONTENT USING AN ESTABLISHED MEDIA DELIVERY INFRASTRUCTURE
Row Technologies Corporation	US	12242,747	12242008	20101184883	00242010	8,240,445	12262012	04162021	Row Technologies Corporation	RECORDED CONTENT MANAGEMENT
Row Technologies Corporation	US	10242,096	04282003	20200231396	10282004	7,129,832	04242009	03272024	Row Technologies Corporation	RECORDED CONTENT MANAGEMENT
Row Technologies Corporation	US	008587,247	04272020	00200158933	08292008	7,003,273	08152008	04212020	Row Technologies Corporation	USER-CONTROLLED ROUTING OF PHONE CALLS TO VOICEMAIL
Row Technologies Corporation	US	11108,416	04162005	20200158933	08292008	7,003,273	08152008	04212020	Row Technologies Corporation	USER-CONTROLLED ROUTING OF PHONE CALLS TO VOICEMAIL
Row Technologies Corporation	US	00489,427	07242000	00200158933	08292008	7,003,273	08152008	04212020	Row Technologies Corporation	USER-CONTROLLED ROUTING OF PHONE CALLS TO VOICEMAIL
Row Technologies Corporation	US	00808,339	00292000	00200158933	08292008	7,003,273	08152008	04212020	Row Technologies Corporation	USER-CONTROLLED ROUTING OF PHONE CALLS TO VOICEMAIL
Row Technologies Corporation	US	10288,483	00262004	20200220851	11182004	7,587,748	08292009	04262021	Row Technologies Corporation	MEDIA STREAM SYNCHRONIZATION
Row Technologies Corporation	US	10989,429	112422002	20200509753	04142005	7,316,468	04202009	03272024	Row Technologies Corporation	MEDIA STREAM SYNCHRONIZATION
Row Technologies Corporation	US	10332,225	07242002	20200128322	07162005	6,897,954	05242005	08102023	Row Technologies Corporation	MEDIA STREAM SYNCHRONIZATION
Row Technologies Corporation	US	10899,423	11242004	202005073013	04272008	7,271,137	11022007	02272023	Row Technologies Corporation	MEDIA STREAM SYNCHRONIZATION
Row Technologies Corporation	US	11171,975	00202005	20200232435	10272008	7,701,516	04292010	02272023	Row Technologies Corporation	METHOD AND APPARATUS FOR SELECTING AMONG MULTIPLE TUNERS
Row Technologies Corporation	US	12700,178	04142010	2010255646	09122010	9,084,097	07142016	07262022	Row Technologies Corporation	METHOD AND APPARATUS FOR SELECTING AMONG MULTIPLE TUNERS
Row Technologies Corporation	US	12612,388	04122011	2013014231	07102013	8,928,819	07262022	07262022	Row Technologies Corporation	METHOD AND APPARATUS FOR SELECTING AMONG MULTIPLE TUNERS
Row Technologies Corporation	US	14261,188	05112016	2015264598	09272016	8,584,283	12262017	07262022	Row Technologies Corporation	METHOD AND APPARATUS FOR SELECTING AMONG MULTIPLE TUNERS
Row Technologies Corporation	US	14852,493	12222017	20180170626	00242018	12062017	07262022	07262022	Row Technologies Corporation	METHOD AND APPARATUS FOR SELECTING AMONG MULTIPLE TUNERS
Row Technologies Corporation	US	10317,178	08202002	20200283839	10142004	8,201,597	08162011	00212028	Row Technologies Corporation	METHOD AND APPARATUS FOR SELECTING AMONG MULTIPLE TUNERS
Row Technologies Corporation	US	12342,385	07162008	2010115523	07252010	8,218,927	07102012	04262020	Row Technologies Corporation	METHOD AND APPARATUS FOR SELECTING AMONG MULTIPLE TUNERS
Row Technologies Corporation	US	10894,823	00202004	20200323208	02262006	7,604,109	02162010	04262020	Row Technologies Corporation	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID
Row Technologies Corporation	US	10861,482	00262004	20200295454	04122006	7,174,488	11072024	11072024	Row Technologies Corporation	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID
Row Technologies Corporation	US	11087,424	02262007	20200120260	00272007	7,782,227	07262010	03282023	Row Technologies Corporation	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID
Row Technologies Corporation	US	11087,423	02262007	20200120261	00272007	7,593,797	03282023	03162025	Row Technologies Corporation	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID
Row Technologies Corporation	US	00448,200	12101668	20200010478	07122008	7,420,466	02262006	12102019	Row Technologies Corporation	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID
Row Technologies Corporation	US	11270,444	05282005	20200010478	07122008	7,420,464	02262006	12102019	Row Technologies Corporation	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID
Row Technologies Corporation	US	00837,207	05282005	20200225981	10242001	7,283,944	00232009	02422020	Row Technologies Corporation	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID
Row Technologies Corporation	US	10788,128	02272004	20200160781	08212008	7,430,222	08202008	04272026	Row Technologies Corporation	REVEALING OF TRUNCATED CONTENT ON SCROLLABLE GRID

Row Technologies Corporation	US	Issued	12/21/15	560	09/15/2008	2008001273	01/15/2008	8,514,881	08/02/2013	08/02/2013	Row Technologies Corporation	Media Stream Appliance
Row Technologies Corporation	US	Issued	12/24/15	235	12/23/2008	2010010292	08/24/2010	8,234,888	07/31/2013	11/16/2013	Row Technologies Corporation	Content Access
Row Technologies Corporation	US	Issued	12/24/15	511	05/22/2012	2010020365	09/12/2012	6,160,971	10/13/2015	12/23/2015	Row Technologies Corporation	Content Access
Row Technologies Corporation	US	Issued	12/24/15	972	09/11/2015	2010007345	03/10/2016	6,978,943	02/21/2017	12/23/2018	Row Technologies Corporation	Content Access
Row Technologies Corporation	US	Pending	12/24/15	442	02/21/2016						Row Technologies Corporation	Content Access
Row Technologies Corporation	US	Issued	10/8/11	364	06/10/2003	2004026441	12/20/2004	7,433,714	10/07/2008	08/02/2016	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/7/14	238	03/01/2007	2008029706	09/11/2008	7,861,888	08/21/2010	12/23/2017	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	442	07/28/2010	2010020642	11/25/2010	6,476,750	07/22/2013	12/27/2017	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	411	06/11/2013	2010020330	10/24/2013	8,320,025	04/26/2016	03/08/2017	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	465	09/08/2010	2010020478	06/29/2010	6,564,183	07/24/2017	03/08/2017	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	158	12/13/2016	2017016464	08/28/2017	8,348,981	04/17/2018	03/08/2017	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Pending	12/24/15	429	03/16/2018	2016020002	07/19/2018				Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Pending	12/24/15	165	07/11/2018						Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/28/16	868	12/02/2005	2007010041	04/07/2007	8,307,403	11/06/2012	10/31/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	787	11/28/2008	2010010186	05/27/2010	10,831,324	08/28/2016	05/28/2016	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/28/16	341	03/02/2008	2010020287	08/02/2010	9,008,885	06/30/2016	08/02/2016	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/28/16	685	06/02/2015	2010020488	10/15/2015	9,892,776	12/02/2019	03/02/2019	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Pending	12/28/16	420	12/21/2017	2016010562	05/10/2018				Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	667	04/10/2008	2010010543	04/29/2010	8,834,876	07/21/2014	07/16/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	248	12/05/2013	2010020428	04/29/2014	8,252,312	12/29/2016	07/16/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	781	04/07/2010	2011028271	10/13/2011	8,192,848	10/03/2013	10/03/2013	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	813	03/08/2010	2011021641	06/28/2011	8,901,832	03/28/2018	06/30/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Pending	12/24/15	245	05/07/2018	2016030338	11/16/2018				Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	482	08/02/2010	2010020645	03/14/2013	8,208,155	12/28/2018	02/27/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	263	03/28/2011	2010020485	10/30/2011	8,883,730	04/07/2015	08/29/2015	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	183	04/13/2018	2016020250	07/20/2018	10,654,862	10/22/2018	04/05/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	542	09/02/2008	2010020345	03/24/2010	8,546,886	10/22/2013	07/28/2013	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	784	10/18/2013	2010020464	02/13/2014	6,193,828	11/24/2018	08/13/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Pending	12/24/15	843	11/23/2015	2016010205	05/26/2016				Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	384	01/28/2014	2010010346	07/26/2014	8,260,883	03/26/2016	07/28/2016	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	384	02/08/2016	2016020316	07/14/2016	8,454,980	08/27/2016	07/08/2016	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	585	11/10/2004	2005014947	07/07/2005	7,768,885	08/03/2010	12/31/2017	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	331	03/23/2004	2005014626	07/07/2005	7,467,812	03/22/2010	02/18/2017	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	405	04/10/2009	20100105570	04/29/2010	8,825,689	08/02/2014	07/11/2019	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	186	12/23/2014	2015005817	07/22/2015	6,172,788	10/27/2015	04/10/2019	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	10/13/15	354	04/26/2012	2008020202	07/22/2012	7,543,323	06/02/2008	11/02/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/02/15	488	12/02/2004	2005030702	05/29/2005	7,848,290	12/17/2010	06/15/2010	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	885	02/20/2001	2001003483	10/25/2001	8,860,078	07/16/2006	07/16/2006	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	318	02/01/2000	2001003570	04/29/2001	8,892,230	05/10/2005	02/01/2010	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	12/24/15	262	03/16/2001	2002003296	03/27/2002	6,910,048	06/21/2005	05/22/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/07/14	435	03/20/2005	2008020434	12/28/2008	7,917,356	10/13/2008	08/11/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	08/28/15	815	02/01/2000	2001003639	07/14/2003	8,719,984	11/02/2018	11/02/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	08/28/15	515	02/01/2000	2001003639	07/14/2003	8,719,984	11/02/2018	11/02/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/02/16	488	11/02/1998	2005020271	01/27/2005	6,725,861	04/20/2014	11/02/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	10/24/15	513	03/05/2004	2005030702	05/29/2005	7,848,290	12/17/2010	06/15/2010	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	10/02/15	153	11/23/2002	2005014943	07/14/2003	6,668,384	06/21/2005	05/22/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/02/15	138	02/03/2005	2005010558	07/14/2003	8,337,171	08/20/2005	07/31/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/02/15	381	03/17/2005	2005071805	10/30/2005	7,208,884	04/11/2008	07/31/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/02/16	746	12/16/2005	2006020265	05/24/2006	7,148,823	12/12/2006	07/31/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	11/23/17	787	12/16/2005	2006020265	05/24/2006	7,148,823	12/12/2006	07/31/2012	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	10/30/16	287	03/21/2004	2005050246	04/14/2005	7,442,981	10/28/2008	08/03/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity
Row Technologies Corporation	US	Issued	10/78/16	583	03/12/2004	2005070850	04/14/2005	7,442,981	10/28/2008	05/08/2018	Row Technologies Corporation	Web Content Search Results Ranked by Popularity

Row Technologies Corporation	US	10,803,339	02/12/2004	20050051243	04/14/2005	7,516,232	04/07/2008	05/04/2006	Row Technologies Corporation	MEDIA ORGANIZATION FOR DISTRIBUTED SENDING OF MEDIA DATA
Row Technologies Corporation	US	12,232,818	12/02/2008	20090060339	03/09/2009	8,033,290	01/17/2011	03/04/2025	Row Technologies Corporation	MEDIA ORGANIZATION FOR DISTRIBUTED SENDING OF MEDIA DATA
Row Gates, Inc.	US	03,448,561	02/08/2000			5,813,977	03/06/2005	02/08/2002	Row Gates, Inc.	DISTRIBUTED PRODUCTION SYSTEM FOR DIGITALLY ENCODING INFORMATION
Row Gates, Inc.	US	00,964,476	05/24/2001			7,301,900	11/08/2002	11/08/2002	Row Gates, Inc.	METHOD AND APPARATUS FOR HUB-BASED NETWORK ACCESS VIA A MULTIMEDIA SYSTEM
Row Gates, Inc.	US	00,848,402	05/24/2001	20020156218	03/21/2003	7,203,555	04/03/2007	04/04/2004	Row Gates, Inc.	METHOD AND APPARATUS FOR MANAGING RESOURCES IN A MULTIMEDIA SYSTEM
Row Gates, Inc.	US	00,848,402	05/24/2001	20020156218	11/28/2002	7,088,851	03/09/2008	12/08/2023	Row Gates, Inc.	METHOD AND APPARATUS FOR MULTIMEDIA A PLURALITY OF CHANNELS IN A MULTIMEDIA SYSTEM
Row Gates, Inc.	US	00,644,612	00/02/2000	20000118278	11/26/2002	7,450,149	11/16/2010	01/27/2024	Row Gates, Inc.	METHOD AND APPARATUS FOR PROVIDING GRAPHICAL OVERLAYS IN A MULTIMEDIA SYSTEM
Row Gates, Inc.	US	00,716,400	02/28/2003	20040125917	07/17/2004	6,244,738	03/04/2009	02/02/2024	Row Gates, Inc.	METHOD AND APPARATUS FOR AFFILIATING A WIRELESS DEVICE WITH A WIRELESS LOCAL AREA NETWORK
Row Gates, Inc.	US	00,648,593	10/31/2001			7,486,127	03/06/2009	09/04/2024	Row Gates, Inc.	SYSTEM FOR ALLOCATING DATA IN A COMMUNICATIONS SYSTEM AND METHOD THEREOF
Row Gates, Inc.	US	00,639,886	11/16/2004			7,106,315	03/12/2006	07/26/2024	Row Gates, Inc.	METHOD AND APPARATUS FOR MULTIMEDIA SYSTEM
Row Gates, Inc.	US	01,343,993	04/28/2002			7,310,619	07/18/2007	09/14/2024	Row Gates, Inc.	SYSTEM FOR PROVIDING DATA TO MULTIPLE DEVICES AND METHOD THEREOF
Row Gates, Inc.	US	04,830,242	04/22/2004	20050163846	08/16/2005	7,426,566	07/06/2005	01/15/2026	Row Gates, Inc.	METHOD AND SYSTEM FOR TRANSMITTING VIDEO CONTENT WITH E PREVENTING OTHER TRANSMISSIONS IN A CONTENT-BASED NETWORK
Row Gates, Inc.	US	11,261,003	02/06/2000	20010164875	05/09/2002	6,246,527	04/21/2012	01/03/2023	Row Gates, Inc.	METHOD AND SYSTEM FOR SECURE CONTENT DISTRIBUTION
Row Gates, Inc.	US	10,271,384	02/04/2001	20010168877	03/02/2001	6,437,730	07/02/2013	05/08/2027	Row Gates, Inc.	MULTIMEDIA CLIENT/SERVER SYSTEM CLIENT MODULE, MULTIMEDIA SERVER, RADIO RECEIVER AND METHODS FOR USE THEREWITH
Row Gates, Inc.	US	11,795,100	04/30/2007	20080215558	10/20/2008	7,484,177	07/18/2011	08/10/2028	Row Gates, Inc.	MULTIMEDIA CLIENT/SERVER SYSTEM WITH ADJUSTABLE PACKET SIZE AND METHODS FOR USE THEREWITH
Row Gates, Inc.	US	12,928,781	11/18/2011	20130128895	05/29/2013	8,971,463	03/09/2018	07/02/2023	Row Gates, Inc.	CHANNEL ESTIMATION IN A COMMUNICATIONS SYSTEM
Row Gates, Inc.	US	13,282,757	11/18/2011	20130128892	05/23/2013	8,760,538	07/15/2014	07/02/2023	Row Gates, Inc.	CARRIER TRACKING WITHOUT PILOTS
Row Gates, Inc.	US	14,232,117	07/14/2014	20140231483	10/20/2014	8,306,716	04/05/2016	07/14/2024	Row Gates, Inc.	CARRIER TRACKING WITHOUT PILOTS
Row Gates, Inc.	US	13,923,217	12/31/2011	20130145895	09/12/2013	8,714,330	07/03/2014	07/03/2024	Row Gates, Inc.	CARRIER TRACKING WITHOUT PILOTS
Row Gates, Inc.	US	13,274,225	12/31/2011	20130146897	09/12/2013	8,817,918	08/26/2014	12/13/2031	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Gates, Inc.	US	12,244,095	01/02/2012	20120177112	07/11/2013	6,184,842	11/10/2015	07/18/2023	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Gates, Inc.	US	13,244,000	07/08/2012	20120178588	07/11/2013	6,026,166	04/14/2016	03/28/2023	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Gates, Inc.	US	13,488,518	00/02/2012	20120211648	03/05/2013	8,813,842	12/16/2014	08/18/2022	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Gates, Inc.	US	13,030,302	08/31/2012	20120294448	03/05/2014	8,836,839	07/29/2015	03/17/2023	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Gates, Inc.	US	13,822,014	09/18/2012	20120291457	02/02/2014	8,747,829	07/22/2014	10/08/2022	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Gates, Inc.	US	13,065,908	09/28/2012	20120408487	02/27/2014	8,171,651	08/25/2015	03/17/2023	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Gates, Inc.	US	14,271,615	03/18/2014	20130271498	06/24/2015	8,363,793	09/27/2016	09/29/2024	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Gates, Inc.	US	00,464,325	12/31/1919			8,561,363	07/08/2023	12/15/2019	Row Gates, Inc.	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,464,332	12/15/1999			8,631,468	10/07/2023		Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,656,533	02/07/2000			7,024,497	04/04/2008	06/15/2022	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	10,402,854	04/08/2003			7,242,288	03/11/2005	08/27/2025	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,875,358	09/28/2000			6,965,865	02/07/2006	04/21/2022	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,477,107	12/31/1919			8,771,324	08/09/2024	12/31/2019	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	11,655,593	08/23/2008	2009028787	12/14/2008	8,256,428	01/12/2016	01/23/2027	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	11,778,890	07/18/2007	20080255445	01/22/2008	8,382,854	03/05/2013	04/12/2028	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,642,215	05/28/2000			7,446,921	11/24/2009	05/08/2022	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	10,087,033	08/10/2004	20050244451	02/24/2005	7,488,338	03/03/2009	08/10/2020	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,485,193	01/20/2000			8,941,183	08/06/2025	01/20/2020	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,485,690	01/20/2000			7,185,193	03/26/2027	01/20/2020	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,485,691	01/20/2000			7,428,181	11/26/2028	01/20/2020	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,489,297	02/07/2000			8,353,849	03/04/2023	02/07/2028	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,858,478	07/02/2001	20050388892	07/14/2002	7,346,920	03/15/2025	12/22/2023	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,858,796	05/21/2001	20050387144	06/02/2002	7,173,106	02/13/2027	05/05/2023	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	11,714,794	05/27/2005	20060281746	01/01/2005	7,484,145	11/18/2026	01/03/2021	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	11,714,794	05/27/2005	20060281744	01/01/2005	7,319,661	02/27/2028	01/03/2021	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,830,307	00/16/2000	20000173344		8,352,849	03/04/2023	02/07/2028	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	00,830,307	00/16/2000	20000173344	02/05/2003	8,352,849	03/04/2023	02/07/2028	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	10,837,644	00/25/2004	20040255236	12/16/2004	7,517,177	08/16/2029	08/16/2021	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	11,278,492	03/31/2004	20040181865	05/17/2006	7,595,942	03/17/2028	01/07/2021	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	10,831,612	09/31/2004	20050504518	03/02/2006	7,302,324	05/09/2029	01/05/2025	Row Technologies Corporation	COARSE TUNING ADJUSTMENT
Row Technologies Corporation	US	10,237,515	09/06/2002			7,210,134	04/24/2027	02/05/2024	Row Technologies Corporation	COARSE TUNING ADJUSTMENT

Row Technologies Corporation	US	Issued	08/48/613	01/20/2000	02/03/2005	03/03/2004	6,769,130	01/27/2004	01/20/2002	Row Technologies Corporation	SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR LATENT SYNCHRONIZATION DURING THE EXECUTION OF A MULTIMEDIA EVENT ON A PLURALITY OF CLIENT COMPUTERS
Row Technologies Corporation	US	Issued	11/25/607	10/25/2005	03/03/2004	04/20/2007	7,462,715	03/02/2008	12/25/2008	Row Technologies Corporation	METHODS AND SYSTEMS FOR USE IN MAINTAINING MEDIA DATA QUALITY UPON CONVERSION TO A DIFFERENT DATA FORMAT
Row Technologies Corporation	US	Issued	12/491,186	09/24/2008	03/02/2006	10/22/2008	8,282,256	02/11/2008	02/11/2008	Row Technologies Corporation	METHODS AND SYSTEMS FOR USE IN MAINTAINING MEDIA DATA QUALITY UPON CONVERSION TO A DIFFERENT DATA FORMAT
Row Technologies Corporation	US	Issued	11/005,038	02/16/2005	03/02/2005	03/02/2006	8,232,916	02/18/2003	02/18/2003	Row Technologies Corporation	GENERATION ORGANIZATION AND/OR PLAYING BACK OF CONTENT BASED ON INCORPORATED PARAMETER IDENTIFIERS
Row Technologies Corporation	US	Issued	11/025,544	12/16/2005	03/02/2005	07/20/2006	7,468,410	03/20/2010	06/04/2012	Row Technologies Corporation	METHODS AND SYSTEMS FOR USE IN NETWORK MANAGEMENT OF CONTENT
Row Technologies Corporation	US	Issued	11/428,187	03/30/2006	03/03/2006	07/24/2008	6,115,197	03/08/2012	07/03/2011	Row Technologies Corporation	METHODS AND SYSTEMS FOR USE IN NETWORK MANAGEMENT OF CONTENT
Row Technologies Corporation	US	Issued	13/447,485	04/16/2012	02/10/2012	11/01/2012	6,817,889	03/06/2014	06/20/2016	Row Technologies Corporation	METHODS AND SYSTEMS FOR USE IN MULTIMEDIA SIGNAL ENCODING
Row Technologies Corporation	US	Issued	10/246,740	01/16/2003	02/02/2004	02/05/2004	7,268,824	09/11/2007	01/17/2007	Row Technologies Corporation	METHODS AND SYSTEMS FOR USE IN MULTIMEDIA SIGNAL ENCODING
Row Technologies Corporation	US	Issued	10/278,436	03/31/2008	03/01/2008	05/24/2010	7,711,736	05/24/2010	09/16/2012	Row Technologies Corporation	SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR REMOTE CONTROL AND NAVIGATION OF LOCAL CONTENT
Row Technologies Corporation	US	Issued	11/274,805	07/20/2005	02/05/2006	07/11/2007	6,115,870	05/24/2010	09/16/2012	Row Technologies Corporation	SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR REMOTE CONTROL AND NAVIGATION OF LOCAL CONTENT
Row Gates, Inc.	US	Issued	11/154,835	07/20/2005	02/05/2006	07/11/2007	7,768,248	03/02/2008	03/02/2008	Row Gates, Inc.	APPARATUS AND METHOD FOR STORING AND READING OUTPUT DATA IN A MOBILE TERMINAL
Row Gates, Inc.	US	Issued	12/781,768	05/26/2010	02/03/2011	12/02/2010	8,826,077	11/21/2011	04/25/2013	Row Gates, Inc.	APPARATUS AND METHOD FOR UNLOCKING A LOCKING MODE OF PORTABLE TERMINAL
Row Gates, Inc.	US	Issued	13/774,517	02/22/2013	01/30/2013	08/26/2013	6,683,912	11/22/2016	02/22/2013	Row Gates, Inc.	METHOD AND APPARATUS FOR SENDING EMERGENCY CALL IN MOBILE TERMINAL
Row Gates, Inc.	US	Issued	12/311,027	10/25/2010	02/11/2011	05/19/2011	6,468,979	06/01/2013	06/05/2013	Row Gates, Inc.	DIGITAL IMAGING PROCESSOR AND METHOD OF IMPROVING USER RECOGNITION IN THE DIGITAL IMAGING PROCESSOR
Row Gates, Inc.	US	Issued	11/448,882	06/07/2008	03/03/2009	07/11/2007	6,115,870	02/14/2013	12/15/2010	Row Gates, Inc.	APPARATUS AND METHOD FOR RECEIVING DIGITAL BROADCASTING
Row Gates, Inc.	US	Issued	12/238,030	12/18/2008	03/02/2009	07/22/2008	8,105,158	09/05/2010	09/05/2010	Row Gates, Inc.	GAME SERVICE METHOD FOR PROVIDING ONLINE GAME USING LOCAL GAME SERVER THEREFOR
Row Gates, Inc.	US	Issued	11/142,386	06/10/2005	03/02/2006	12/22/2008	7,379,477	05/27/2008	07/18/2008	Row Gates, Inc.	APPARATUS AND METHOD FOR EFFICIENTLY TRANSMITTING BROADCASTING CHANNEL UTILIZING CYCLO DELAY DIVERSITY
Row Gates, Inc.	US	Issued	13/485,371	11/28/2012	02/10/2013	05/20/2013	6,386,232	07/12/2016	05/14/2013	Row Gates, Inc.	APPARATUS AND METHOD OF PROVIDING USER INTERFACE
Row Gates, Inc.	US	Issued	12/648,436	12/30/2008	02/01/2009	07/10/2010	7,388,372	03/02/2011	12/20/2018	Row Gates, Inc.	PORTABLE COMPUTER SYSTEM HAVING CAMERA MONITOR FOR SELECTIVELY RECEIVING VIDEO SIGNALS FROM EXTERNAL VIDEO SIGNAL INPUT FROM EXTERNAL COMPUTER
Row Gates, Inc.	US	Issued	13/113,886	04/03/2009	03/03/2009	07/16/2009	7,325,901	12/24/2007	03/20/2009	Row Gates, Inc.	APPARATUS AND METHOD FOR MANAGING VIRTUAL PROCESSING UNIT
Row Gates, Inc.	US	Issued	13/021,813	02/07/2011	02/10/2011	06/25/2011	6,213,868	07/03/2012	02/07/2011	Row Gates, Inc.	PORTABLE COMPUTER SYSTEM HAVING CAMERA MONITOR FOR SELECTIVELY RECEIVING VIDEO SIGNALS FROM EXTERNAL VIDEO SIGNAL INPUT FROM EXTERNAL COMPUTER
Row Gates, Inc.	US	Issued	12/274,872	10/24/2011	02/10/2012	06/21/2012	6,104,708	06/01/2015	06/02/2013	Row Gates, Inc.	LENS DRIVING APPARATUS
Row Gates, Inc.	US	Issued	12/586,523	10/07/2010	02/11/2011	04/27/2011	6,274,822	03/07/2016	11/27/2011	Row Gates, Inc.	PORTABLE TERMINAL WITH OPTICAL TOUCH PAD AND METHOD FOR CONTROLLING DATA IN THE SAME
Row Gates, Inc.	US	Issued	11/142,386	11/14/2008	03/02/2009	03/27/2008	6,202,189	08/10/2018	10/02/2018	Row Gates, Inc.	APPARATUS AND METHOD FOR MANAGING VIRTUAL PROCESSING UNIT
Row Gates, Inc.	US	Issued	10/683,418	10/08/2003	02/04/2007	10/29/2004	7,425,351	07/29/2008	11/13/2012	Row Gates, Inc.	MANUFACTURING METHOD OF MEMORY FOR MOBILE PHONE AND MEMORY MANUFACTURED THEREBY
Row Gates, Inc.	US	Issued	11/477,810	06/30/2008	02/07/2009	05/23/2007	7,746,821	06/26/2010	12/28/2018	Row Gates, Inc.	APPARATUS AND METHOD FOR MANAGING SHARDING IN BROADCASTING WIRELESS ACCESS SYSTEM
Row Gates, Inc.	US	Issued	11/593,884	09/09/2008	02/07/2009	02/12/2007	7,284,975	07/07/2008	03/08/2018	Row Gates, Inc.	POWER SUPPLYING APPARATUS AND POWER SUPPLYING METHOD
Row Gates, Inc.	US	Issued	10/887,521	10/18/2004	02/02/2005	06/23/2008	7,408,318	07/28/2008	06/20/2015	Row Gates, Inc.	APPARATUS AND METHOD FOR POSITIONING MOBILE STATION
Row Gates, Inc.	US	Pending	14/618,371	02/10/2015	02/10/2015	03/04/2016				Row Gates, Inc.	SCHEDULE SYSTEM WITH ENHANCED RECORDING CAPABILITY
Row Gates, Inc.	US	Issued	11/152,085	07/15/2006	02/02/2007	06/10/2004	6,508,971	10/22/2013	07/08/2012	Row Gates, Inc.	MULTI-INTERACTIVE ELECTRONIC PROGRAM GUIDE SYSTEM AND METHODS
Row Solutions Corporation	US	Issued	10/288,922	02/13/2003	02/01/2003	06/10/2004	7,191,888	02/11/2014	02/11/2014	Row Solutions Corporation	COPY-PROTECTED COMPACT DISC AND METHOD FOR PRODUCING SAME
Row Solutions Corporation	US	Issued	10/008,387	06/22/2000	02/16/2002	02/16/2002	7,685,641	02/22/2019	02/22/2019	Row Solutions Corporation	COPY-PROTECTED DIGITAL AUDIO COMPACT DISC AND METHOD AND SYSTEM FOR PRODUCING SAME
Row Solutions, Inc.	US	Issued	08/358,925	03/30/2000	03/30/2000	03/30/2000	6,868,225	03/30/2010	03/30/2010	Row Solutions, Inc.	Business Program Bootstrapping System
Row Solutions, Inc.	US	Pending	15/581,902	05/15/2017	02/11/2017	03/01/2017				Row Solutions, Inc.	TELEVISION VIEWER INTERFACE SYSTEM
Row Solutions, Inc.	US	Issued	08/535,280	03/30/2000	03/30/2000	03/27/2004	6,727,206	03/20/2010	03/20/2010	Row Solutions, Inc.	TELEVISION VIEWER INTERFACE SYSTEM
Row Solutions, Inc.	US	Issued	10/875,786	06/02/2004	01/16/2003	07/10/2012	8,220,221	07/10/2012	07/10/2012	Row Solutions, Inc.	TELEVISION VIEWER INTERFACE SYSTEM
Row Solutions, Inc.	US	Issued	12/975,836	12/22/2010	02/11/2011	04/21/2011	8,112,218	08/18/2015	06/28/2012	Row Solutions, Inc.	TELEVISION VIEWER INTERFACE SYSTEM
Row Solutions, Inc.	US	Issued	13/544,885	07/08/2012	02/02/2013	11/01/2012	9,608,881	06/02/2017	03/20/2021	Row Solutions, Inc.	TELEVISION VIEWER INTERFACE SYSTEM
Row Solutions, Inc.	US	Issued	10/842,580	05/10/2004	02/11/2005	08/11/2015	6,516,520	08/11/2015	09/08/2020	Row Solutions, Inc.	TELEVISION VIEWER INTERFACE SYSTEM
Row Solutions, Inc.	US	Issued	11/105,011	04/12/2005	02/02/2006	11/03/2008	6,888,265	09/20/2013	11/07/2012	Row Solutions, Inc.	TELEVISION VIEWER INTERFACE SYSTEM
Row Solutions, Inc.	US	Issued	12/981,124	08/23/2010	02/03/2011	12/16/2010	7,382,808	10/10/2017	03/20/2020	Row Solutions, Inc.	Business Mobile Personalization System
Row Solutions, Inc.	US	Issued	12/464,817	05/12/2008	02/02/2009	10/15/2008	9,486,248	03/20/2010	03/20/2010	Row Solutions, Inc.	MULTIMEDIA MOBILE PERSONALIZATION SYSTEM
Row Solutions, Inc.	US	Pending	15/974,202	02/01/2018	02/01/2018	03/01/2018				Row Solutions, Inc.	MULTIMEDIA MOBILE PERSONALIZATION SYSTEM
Row Solutions, Inc.	US	Issued	10/653,285	03/30/2000	03/30/2000	03/01/2016	6,850,681	02/07/2016	03/20/2020	Row Solutions, Inc.	MULTIMEDIA MOBILE PERSONALIZATION SYSTEM
Row Solutions, Inc.	US	Issued	10/846,431	02/13/2004	02/13/2004	02/13/2004	7,482,015	02/17/2008	03/20/2010	Row Solutions, Inc.	Automatic Playback Oversight Correction System
Row Solutions, Inc.	US	Issued	11/183,030	02/01/2003	02/01/2003	05/28/2008	8,386,338	07/05/2016	03/20/2020	Row Solutions, Inc.	Automatic Playback Oversight Correction System
Row Solutions, Inc.	US	Issued	12/025,566	07/16/2016	02/03/2017	10/27/2016	6,786,222	10/10/2017	03/20/2020	Row Solutions, Inc.	Automatic Playback Oversight Correction System
Row Solutions, Inc.	US	Issued	12/071,428	02/02/2017	02/03/2017	01/18/2018	10,002,248	03/20/2018	03/20/2020	Row Solutions, Inc.	AUTOMATIC PLAYBACK OVERSHOOT CORRECTION SYSTEM
Row Solutions, Inc.	US	Pending	16/102,628	08/23/2018	02/09/2019	02/27/2019				Row Solutions, Inc.	AUTOMATIC PLAYBACK OVERSHOOT CORRECTION SYSTEM
Row Solutions, Inc.	US	Issued	08/358,433	03/30/2000	03/30/2000	03/30/2000	6,861,778	07/26/2005	03/20/2010	Row Solutions, Inc.	Business Visual Progress Indication System

TVS Solutions, Inc.	US	Issued	10/8/15/880	08/1/2020A	08/1/2020	08/1/2020	7,321,716	07/22/2028	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/9/20/831	12/18/2020	03/30/2020	03/30/2020	6,424,208	02/07/2027	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	13/33,614	12/22/2021	03/30/2020	03/30/2020	6,636,935	03/15/2024	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	13/45,712	04/03/2021	03/30/2020	03/30/2020	6,889,954	03/24/2025	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	14/44,681	12/31/2023	03/30/2020	03/30/2020	6,274,480	03/30/2020	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	15/018,744	02/08/2020	03/30/2020	03/30/2020	6,812,174	11/07/2027	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	15/833,084	11/08/2021	03/30/2020	03/30/2020	10,181,338	03/30/2020	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/04,232	03/04/2028	03/30/2020	03/30/2020	6,027,845	01/31/2027	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/04,232	03/04/2028	03/30/2020	03/30/2020	6,135,264	03/31/2027	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	06/536,723	03/03/2020	03/30/2020	03/30/2020	6,642,438	11/04/2029	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	06/42,245	08/17/2020	03/30/2020	03/30/2020	6,797,837	06/28/2024	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	06/42,617	08/17/2020	03/30/2020	03/30/2020	7,216,235	06/28/2024	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	06/742,618	12/18/2020	03/30/2020	03/30/2020	11,794,427	08/17/2027	04/28/2024	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/838,887	10/04/2024	03/30/2020	03/30/2020	6,032,450	03/12/2025	02/11/2023	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/533,585	06/11/2020	03/30/2020	03/30/2020	6,645,838	03/30/2020	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/182,454	07/15/2025	03/30/2020	03/30/2020	6,176,812	03/30/2020	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/486,310	05/08/2021	03/30/2020	03/30/2020	6,718,882	03/30/2020	12/18/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	01/048,782	06/27/2022	03/30/2020	03/30/2020	6,132,218	12/30/2022	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/244,476	03/28/2021	03/30/2020	03/30/2020	6,035,197	06/28/2020	03/30/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	14/718,383	09/19/2025	03/30/2020	03/30/2020	6,886,830	01/30/2025	12/31/2025	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/278,887	09/22/2028	03/30/2020	03/30/2020	6,965,430	11/15/2025	12/08/2021	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	00/835,426	08/22/2021	03/30/2020	03/30/2020	7,588,472	07/07/2028	01/08/2022	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	01/182,246	07/08/2022	03/30/2020	03/30/2020	6,380,841	03/16/2023	02/22/2023	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/418,646	04/18/2020	03/30/2020	03/30/2020	6,317,705	11/05/2023	12/10/2023	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/273,882	11/13/2028	03/30/2020	03/30/2020	6,334,885	08/28/2024	07/11/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Pending	14/072,678	11/03/2023	03/30/2020	03/30/2020	6,789,964	03/19/2021	03/10/2021	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	06/665,921	09/22/2020	03/30/2020	03/30/2020	7,488,488	07/26/2020	07/26/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/182,135	07/42/2020	03/30/2020	03/30/2020	6,431,833	03/28/2020	10/06/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/572,023	10/07/2020	03/30/2020	03/30/2020	6,204,688	03/16/2020	09/20/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	13/881,302	04/22/2023	03/30/2020	03/30/2020	6,487,736	03/16/2020	03/20/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/488,335	07/08/2028	03/30/2020	03/30/2020	6,487,736	03/16/2020	03/20/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/726,054	02/20/2027	03/30/2020	03/30/2020	6,002,173	04/07/2025	08/11/2022	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/188,888	07/02/2022	03/30/2020	03/30/2020	7,426,446	08/26/2025	08/15/2021	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/188,888	07/02/2022	03/30/2020	03/30/2020	6,943,827	07/27/2025	04/21/2022	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/338,688	07/08/2020	03/30/2020	03/30/2020	6,131,848	03/06/2022	04/19/2022	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/474,141	06/22/2028	03/30/2020	03/30/2020	6,451,180	03/26/2023	07/24/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	13/801,813	04/22/2023	03/30/2020	03/30/2020	6,215,400	12/15/2025	07/22/2020	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/323,821	04/20/2024	03/30/2020	03/30/2020	6,431,114	07/29/2023	07/16/2024	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/338,688	07/08/2020	03/30/2020	03/30/2020	6,763,866	06/24/2024	09/08/2025	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/420,371	04/21/2023	03/30/2020	03/30/2020	7,200,321	04/09/2023	11/08/2023	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/423,331	04/28/2023	03/30/2020	03/30/2020	6,285,111	11/11/2024	03/06/2022	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/858,678	10/04/2024	03/30/2020	03/30/2020	6,020,384	03/16/2021	11/08/2027	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/858,678	10/04/2024	03/30/2020	03/30/2020	7,383,850	03/16/2021	10/22/2028	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	10/858,678	10/04/2024	03/30/2020	03/30/2020	7,383,850	03/16/2021	10/22/2028	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	12/635,940	12/16/2028	03/30/2020	03/30/2020	6,786,411	11/20/2025	03/21/2028	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	14/232,335	07/22/2024	03/30/2020	03/30/2020	6,414,035	03/28/2020	10/04/2024	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/285,422	11/27/2025	03/30/2020	03/30/2020	6,807,324	03/28/2020	03/21/2028	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/285,422	11/27/2025	03/30/2020	03/30/2020	7,384,170	04/28/2021	03/28/2027	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Pending	13/038,688	04/28/2021	03/30/2020	03/30/2020	6,258,832	03/28/2020	11/21/2025	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/285,411	11/27/2025	03/30/2020	03/30/2020	6,258,832	03/28/2020	02/22/2021	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	11/285,416	11/27/2025	03/30/2020	03/30/2020	6,258,832	03/28/2020	03/28/2028	TVS Solutions, Inc.	Method And Apparatus For Securing Content
TVS Solutions, Inc.	US	Issued	13/023,857	02/08/2021	03/30/2020	03/30/2020	6,713,885	04/28/2024	03/30/2028	TVS Solutions, Inc.	Method And Apparatus For Securing Content

TVO Solutions, Inc.	US	Issued	13,031,043	02/18/2011	20110135271	03/03/2011	8,469,744	03/04/2014	11/27/2026	TVO Solutions, Inc.	Method And Apparatus For Secure Transfer And Playback Of Multimedia Content
TVO Solutions, Inc.	US	Issued	4,628,337	04/23/2014	20140231514	03/01/2014	3,352,293	03/03/2016	03/13/2028	TVO Solutions, Inc.	Method And Apparatus For Secure Transfer And Playback Of Multimedia Content
TVO Solutions, Inc.	US	Issued	15,144,644	05/02/2016	20160246585	05/05/2016	10,155,837	12/16/2018	11/27/2025	TVO Solutions, Inc.	Method And Apparatus For Secure Transfer And Playback Of Multimedia Content
TVO Solutions, Inc.	US	Pending	10,171,386	10/26/2018	20180915280	03/07/2019				TVO Solutions, Inc.	METHOD AND APPARATUS FOR SECURE TRANSFER AND PLAYBACK OF MULTIMEDIA CONTENT
TVO Solutions, Inc.	US	Issued	15,015,836	02/08/2016	20160116168	06/30/2016	10,441,342	10/28/2018	09/07/2026	TVO Solutions, Inc.	Secure Transfer Of Privately Processed Content
TVO Solutions, Inc.	US	Pending	10,557,780	08/28/2019						TVO Solutions, Inc.	SECURE TRANSFER OF REMOVED Y BROADCASTED CONTENT
TVO Solutions, Inc.	US	Issued	11,048,444	01/03/2007	20070205854	03/03/2007	8,191,369	04/29/2014	01/03/2027	TVO Solutions, Inc.	Recommendation Ranking And Downloading Clips
TVO Solutions, Inc.	US	Issued	11,713,262	03/01/2007	20070214413	03/12/2007	7,461,258	12/26/2010	11/08/2027	TVO Solutions, Inc.	Customizing DVR Functionality
TVO Solutions, Inc.	US	Issued	12,955,898	11/19/2010	20110087048	03/17/2011	8,546,823	10/01/2013	07/08/2028	TVO Solutions, Inc.	Customizing DVR Functionality
TVO Solutions, Inc.	US	Issued	4,064,738	10/01/2013	20130913245	01/02/2014	3,054,718	07/26/2015	03/01/2027	TVO Solutions, Inc.	Customizing DVR Functionality
TVO Solutions, Inc.	US	Issued	1,478,335	06/30/2016	20160302851	10/22/2016	8,831,122	12/05/2017	03/01/2027	TVO Solutions, Inc.	CUSTOMIZING DVR FUNCTIONALITY
TVO Solutions, Inc.	US	Issued	11,713,368	03/01/2007	20070212695	03/19/2007	8,291,585	06/24/2014	07/08/2028	TVO Solutions, Inc.	Method And Apparatus For Restricting DVD Content
TVO Solutions, Inc.	US	Issued	11,925,838	10/30/2007	20080191461	05/05/2008	8,210,819	03/13/2011	03/13/2021	TVO Solutions, Inc.	Method And Apparatus For Restricting DVD Content
TVO Solutions, Inc.	US	Issued	11,881,417	10/30/2007	20080146934	06/01/2008	8,461,346	03/19/2013	01/17/2021	TVO Solutions, Inc.	Method And Apparatus For Restricting DVD Content
TVO Solutions, Inc.	US	Issued	11,983,236	03/17/2007	20080192038	05/29/2008	9,354,693	06/17/2010	06/17/2020	TVO Solutions, Inc.	Method And Apparatus For Downloading Action Program Data To A DVR
TVO Solutions, Inc.	US	Issued	12,017,157	05/15/2008	20080284640	11/20/2008	8,302,648	10/30/2012	06/08/2028	TVO Solutions, Inc.	Method For Enhancing Television Advertising Viewability
TVO Solutions, Inc.	US	Issued	13,057,392	10/22/2012	20120111587	05/02/2013	8,950,039	02/17/2015	05/15/2025	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	4,657,838	01/15/2015	20150111614	05/14/2015	8,571,832	02/14/2017	05/15/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Pending	15,338,337	12/21/2018	20181015550	04/13/2017				TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Pending	10,232,435	01/03/2019	20190129282	07/11/2019				TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,017,672	05/15/2008			8,268,848	03/15/2016	07/13/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,064,919	03/14/2010	201001188231	07/07/2010	9,493,238	04/24/2018	05/15/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Pending	15,937,428	03/27/2018	20180213282	07/08/2018				TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,017,678	05/15/2008			8,314,354	12/16/2014	05/20/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,017,678	05/15/2008	20080284641	11/20/2008	8,313,100	08/04/2013	06/16/2020	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,433,647	04/30/2009	20090240042	06/24/2009	8,862,329	11/04/2014	02/16/2030	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	14,631,898	11/03/2014	20150508379	02/26/2015	9,424,264	08/23/2018	04/30/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Pending	10,633,477	08/22/2016	20160307372	12/08/2016				TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Pending	10,408,334	05/08/2019						TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,018,025	02/25/2008	20080214951	03/27/2008	8,610,310	12/17/2013	04/23/2021	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	14,054,514	11/19/2013	20140918866	03/20/2014	10,158,940	12/18/2018	12/07/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	14,129,887	12/23/2013	20140112485	04/24/2014	10,154,241	12/11/2018	02/25/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,059,538	12/30/2009	201001162718	03/05/2010	9,037,489	05/18/2015	07/18/2022	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,077,761	03/31/2011	20110119463	07/27/2011	8,192,300	10/06/2015	04/02/2030	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Pending	14,875,378	10/05/2018						TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,055,534	12/30/2009	20100118892	03/05/2010	10,158,823	12/18/2018	01/15/2031	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Pending	10,169,838	10/24/2018	20181012428	04/23/2019				TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,031,756	12/04/2009	20110091769	03/17/2011	8,864,828	03/17/2015	12/04/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,031,770	12/04/2009	20110083317	03/17/2011	8,794,824	04/22/2014	05/31/2032	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	14,025,145	04/22/2014	20140225686	05/14/2014	9,268,758	06/14/2016	02/20/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,031,775	12/04/2009	20110084386	03/17/2011	8,411,786	04/26/2013	06/26/2021	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	13,958,620	04/03/2013	20130329216	03/29/2013	9,208,879	03/15/2020	01/15/2030	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,031,781	12/04/2009	20110084378	03/17/2011	8,264,858	02/16/2016	10/30/2031	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,031,783	12/04/2009	20110084385	03/17/2011	8,510,749	08/13/2013	12/05/2021	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	13,965,125	09/12/2013	20130313281	12/12/2013	10,584,176	01/04/2017	12/04/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,031,765	12/04/2009	20110084449	03/17/2011	10,097,889	10/08/2018	12/04/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Pending	10,153,080	10/20/2018	20180913767	07/31/2019				TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,031,778	12/04/2009	20110084377	03/17/2011	8,468,380	03/06/2017	10/22/2030	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	12,031,782	12/04/2009	20110086663	03/17/2011	8,697,433	12/13/2016	01/28/2028	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	13,415,584	03/08/2012	20120213340	06/13/2012	10,258,809	02/08/2016	01/28/2033	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System
TVO Solutions, Inc.	US	Issued	14,838,541	12/31/2015	201601116978	04/28/2016	9,884,309	12/08/2017	03/08/2032	TVO Solutions, Inc.	Method And Apparatus For Downloading Scheduling System

TVS Solutions, Inc.	US	Issued	13,801,454	02/12/2013	20130217891	02/18/2013	8,525,917	12/20/2016	051602033	TVS Solutions, Inc.	Automatic Commercial Playback System
TVS Solutions, Inc.	US	Issued	15,271,561	12/07/2010	20110056687	03/23/2011	8,382,374	11/25/2017	031320233	TVS Solutions, Inc.	ATMANTIC COMMERCIAL P.A. BACK SYSTEM
TVS Solutions, Inc.	US	Issued	13,850,882	03/13/2013	20130246854	09/18/2013	8,774,889	09/26/2017	102712033	TVS Solutions, Inc.	SCHEMING MEDIA RECORDING VIA A HANDHELD DEVICE
TVS Solutions, Inc.	US	Issued	13,801,927	03/13/2013	20130246869	09/18/2013	10,031,008	10/07/2019	040820235	TVS Solutions, Inc.	Remotely Configuring Windows Display Or A Display Device
TVS Solutions, Inc.	US	Pending	16,545,650	09/22/2019						TVS Solutions, Inc.	REMOVELY CONFIGURING WINDOW DISPLAY AND ONA DISPLAY DEVICE
TVS Solutions, Inc.	US	Issued	14,070,836	08/02/2013	20140284789	02/20/2014	6,414,231	08/28/2016	082820233	TVS Solutions, Inc.	Wireless Media Streaming System
TVS Solutions, Inc.	US	Pending	16,443,180	09/22/2019	20190330218	10/03/2019				TVS Solutions, Inc.	WIRELESS MEDIA STREAMING SYSTEM
TVS Solutions, Inc.	US	Issued	14,253,391	03/10/2014	20140277652	09/18/2014	6,466,467	03/14/2017	031402034	TVS Solutions, Inc.	Automatic Rate Control For Improved Audio Time Scaling
TVS Solutions, Inc.	US	Issued	15,271,776	12/07/2010	20110056291	03/20/2011	8,940,847	03/10/2014	031002034	TVS Solutions, Inc.	Automatic Rate Control For Improved Audio Time Scaling
TVS Solutions, Inc.	US	Issued	15,813,387	03/08/2018	20180218748	08/22/2018	10,544,070	07/16/2019	071602034	TVS Solutions, Inc.	Automatic Rate Control For Improved Audio Time Scaling
TVS Solutions, Inc.	US	Issued	14,253,424	03/10/2014	20140277653	09/18/2014	6,566,468	03/14/2017	031402034	TVS Solutions, Inc.	AUTOMATIC RATE CONTROL FOR IMPROVED AUDIO TIME SCALING
TVS Solutions, Inc.	US	Issued	19,371,485	12/08/2016	20170026292	03/30/2017	8,793,825	08/01/2017	080102034	TVS Solutions, Inc.	Automatic Rate Control Based On User Behavior
TVS Solutions, Inc.	US	Pending	15,710,382	09/22/2019	20190340786	07/11/2019				TVS Solutions, Inc.	AUTOMATIC RATE CONTROL BASED ON USER IDENTITIES
TVS Solutions, Inc.	US	Issued	13,831,071	06/28/2013	20140376884	12/25/2014	8,240,217	07/11/2016	071102034	TVS Solutions, Inc.	Method And System For Tuning Media Programs For A User
TVS Solutions, Inc.	US	Issued	14,803,766	12/10/2018	20180150218	04/07/2019	10,697,646	08/27/2019	110402033	TVS Solutions, Inc.	STRONG SAME CHANNEL OVERLAPPING RECORDINGS
TVS Solutions, Inc.	US	Issued	16,040,793	07/20/2018	20180332548	11/15/2018	10,412,451	08/10/2019	081002034	TVS Solutions, Inc.	STRONG SAME CHANNEL OVERLAPPING RECORDINGS
TVS Solutions, Inc.	US	Issued	14,463,487	08/18/2014	20150052588	02/19/2015	10,382,281	07/29/2019	081902034	TVS Solutions, Inc.	STRONG SAME CHANNEL OVERLAPPING RECORDINGS
TVS Solutions, Inc.	US	Pending	14,463,127	09/22/2019	20190304780	03/12/2019				TVS Solutions, Inc.	Dynamic Tune Allocation
TVS Solutions, Inc.	US	Issued	14,675,383	03/28/2018	20180281287	10/18/2018	10,168,821	07/07/2019	041902035	TVS Solutions, Inc.	Method And Apparatus For Creating And Serving Customized Multimedia Segments
TVS Solutions, Inc.	US	Pending	16,073,883	11/02/2019	20190302482	03/07/2019				TVS Solutions, Inc.	Method And Apparatus For Creating And Serving Customized Multimedia Segments
TVS Solutions, Inc.	US	Pending	14,776,888	09/22/2019	20190304789	11/12/2019	10,275,348	05/06/2019	050602035	TVS Solutions, Inc.	Method And Apparatus For Creating And Serving Customized Multimedia Segments
TVS Solutions, Inc.	US	Issued	15,278,882	09/07/2016	20170026314	07/25/2017	10,019,617	07/10/2018	071002035	TVS Solutions, Inc.	MANAGING MEDIA CONTENT UPLOADER GROUPS
TVS Solutions, Inc.	US	Issued	15,828,873	08/07/2018	20180301780	12/22/2018	10,302,719	07/22/2019	050802035	TVS Solutions, Inc.	MANAGING MEDIA CONTENT UPLOADER GROUPS
TVS Solutions, Inc.	US	Pending	15,828,214	09/22/2019	20190304781	03/20/2019				TVS Solutions, Inc.	Cloud-based Content Collection And Distribution System
TVS Solutions, Inc.	US	Issued	15,471,180	07/28/2017	20170214875	07/27/2017	10,448,712	01/15/2019	011502035	TVS Solutions, Inc.	SYNC-RECORDING MEDIA CONTENT TAG DATA
TVS Solutions, Inc.	US	Pending	16,457,286	08/30/2019						TVS Solutions, Inc.	Managing Collections Of Episodic Media Content
TVS Solutions, Inc.	US	Issued	15,266,917	11/30/2018	20170058861	03/23/2019	10,006,231	03/28/2019	071110203	TVS Solutions, Inc.	MANAGING COLLECTIONS OF EPISODIC MEDIA CONTENT
TVS Solutions, Inc.	US	Pending	16,974,427	04/08/2019	20190283387	08/15/2019				TVS Solutions, Inc.	System For Remotely Controlling Client Recording And Storage Behavior
TVS Solutions, Inc.	US	Issued	10,876,882	04/02/2004			6,874,977	08/08/2017	042220234	TVS Solutions, Inc.	SYSTEM FOR REMOVELY CONTROLLING CLIENT RECORDING AND STORAGE BEHAVIOR
TVS Solutions, Inc.	US	Issued	08,952,384	02/11/2010			8,711,483	04/13/2018	021110202	TVS Solutions, Inc.	DATA STORAGE MANAGEMENT AND SCHEDULING SYSTEM
TVS Solutions, Inc.	US	Issued	08,658,410	04/24/2010			7,484,234	01/27/2018	042402030	TVS Solutions, Inc.	Display Of Television Program Information Using Dynamically Adjusted Scroll Rate
TVS Solutions, Inc.	US	Issued	08,784,512	02/14/2011	20100317189	08/19/2011	7,056,031	05/02/2018	021402033	TVS Solutions, Inc.	Automated Detection/Removal Of Interrupted Television Programs
TVS Solutions, Inc.	US	Issued	08,784,512	02/14/2011	20100317189	08/19/2011	7,056,031	05/02/2018	021402033	TVS Solutions, Inc.	Method And Apparatus For Controlling At Least One Set-Top Box
TVS Solutions, Inc.	US	Issued	12,722,016	12/13/2011	20120082818	04/05/2012	8,532,797	02/10/2021	121302031	TVS Solutions, Inc.	Method For Generation, Delivery, And Validation Of Electronic Coupons Through Personal TV Service System
TVS Solutions, Inc.	US	Issued	12,722,016	12/13/2011	20120082818	04/05/2012	8,532,797	02/10/2021	121302031	TVS Solutions, Inc.	Intelligent System And Methods Of Recommending Media Content Items Based On User Preferences
TVS Solutions, Inc.	US	Issued	12,946,815	11/15/2011	20110081076	12/26/2011	8,444,388	05/14/2013	121302031	TVS Solutions, Inc.	Intelligent System And Methods Of Recommending Media Content Items Based On User Preferences
TVS Solutions, Inc.	US	Issued	13,888,288	05/14/2013	20130254811	08/20/2013	10,884,470	12/14/2019	051402030	TVS Solutions, Inc.	Intelligent System And Methods Of Recommending Media Content Items Based On User Preferences
TVS Solutions, Inc.	US	Issued	10,188,838	06/27/2008	20080014783	07/10/2008	7,258,856	06/05/2017	111702032	TVS Solutions, Inc.	INTELLIGENT SYSTEM AND METHODS OF RECOMMENDING MEDIA CONTENT ITEMS BASED ON USER PREFERENCES
TVS Solutions, Inc.	US	Issued	11,779,938	06/04/2007	20070262019	10/11/2007	8,181,203	04/04/2022	060402032	TVS Solutions, Inc.	Promoted, Interactive Television Program Guide System And Method
TVS Solutions, Inc.	US	Issued	13,472,268	05/15/2012	20120254820	10/24/2012	8,950,988	09/16/2016	051502031	TVS Solutions, Inc.	Distributed, Interactive Television Program Guide System And Method
TVS Solutions, Inc.	US	Issued	14,724,337	08/16/2016	20160281788	10/24/2016	8,784,837	01/17/2017	120202030	TVS Solutions, Inc.	DISTRIBUTED, INTERACTIVE TELEVISION PROGRAM GUIDE SYSTEM AND METHOD
TVS Solutions, Inc.	US	Pending	15,711,738	09/22/2019	20190302473	08/16/2019				TVS Solutions, Inc.	DISTRIBUTED, INTERACTIVE TELEVISION PROGRAM GUIDE SYSTEM AND METHOD
TVS Solutions, Inc.	US	Issued	10,168,976	06/27/2008	20080181884	12/18/2008	7,882,820	02/01/2011	111802032	TVS Solutions, Inc.	Broadcast Program Recording Overview And Underlay Scheduling System
TVS Solutions, Inc.	US	Issued	13,781,034	07/13/2011	20110154487	08/23/2011	8,665,182	02/24/2016	112302032	TVS Solutions, Inc.	Smart Broadcast Program Recording Playback And Scheduling System
TVS Solutions, Inc.	US	Issued	13,018,286	07/13/2011	20110171716	08/23/2011	8,665,182	02/24/2016	112302032	TVS Solutions, Inc.	Smart Broadcast Program Recording Playback And Scheduling System
TVS Solutions, Inc.	US	Pending	16,271,638	02/08/2019	20190171716	08/20/2019				TVS Solutions, Inc.	BROADCAST PROGRAM RECORDING OVERLAY AND UNDERLAY SCHEDULING SYSTEM
TVS Solutions, Inc.	US	Issued	10,229,386	12/11/2010	20100178033	07/07/2010	7,862,240	08/16/2014	081602034	TVS Solutions, Inc.	BROADCAST PROGRAM RECORDING OVERLAY AND UNDERLAY SCHEDULING SYSTEM
TVS Solutions, Inc.	US	Issued	12,653,027	09/02/2008	20080348865	12/24/2008	8,038,382	10/11/2011	030202031	TVS Solutions, Inc.	Conditional Access System And Method For Prevention Of Replay Attacks
TVS Solutions, Inc.	US	Issued	13,253,908	10/20/2011	20120087208	02/02/2012	8,681,979	03/26/2014	020202031	TVS Solutions, Inc.	Conditional Access System And Method For Prevention Of Replay Attacks
TVS Solutions, Inc.	US	Issued	10,223,558	08/28/2012	20120058781	05/22/2013	7,858,838	03/15/2011	031502031	TVS Solutions, Inc.	System And Method For Internal Access To A Personal Television Service
TVS Solutions, Inc.	US	Issued	10,741,586	12/18/2013	20130108819	05/19/2014	8,812,850	10/06/2014	100602034	TVS Solutions, Inc.	Secure Multimedia Transfer System



TVO Solutions, Inc.	US	10,742,481	12/18/2003	20030105968	05/18/2008	8,171,420	05/01/2012	05/10/2023	TVO Solutions, Inc.	Method of sharing personal media using a digital recorder
TVO Solutions, Inc.	US	12,070,245	02/11/2010	20100115903	07/09/2010	10,893,000	08/18/2018	02/21/2021	TVO Solutions, Inc.	METHOD OF SHARING PERSONAL MEDIA USING DIGITAL RECORDER
TVO Solutions, Inc.	US	12,610,741	10/22/2010	2010083882	04/11/2011	10,206,010	02/12/2018	02/27/2021	TVO Solutions, Inc.	METHOD OF SHARING PERSONAL MEDIA USING DIGITAL RECORDER
TVO Solutions, Inc.	US	09,413,763	09/14/2018	20180724410	04/25/2019	8,240,315	03/04/2012	11/22/2024	TVO Solutions, Inc.	METHOD OF SHARING PERSONAL MEDIA USING A DIGITAL RECORDER
TVO Solutions, Inc.	US	11,051,032	04/12/2005	20050246442	02/26/2006	9,380,315	03/28/2010	03/20/2020	TVO Solutions, Inc.	Multimedia Mobile Personalization System
TVO Solutions, Inc.	US	12,444,819	05/12/2008	20080288638	10/15/2008	9,282,272	03/28/2010	03/20/2020	TVO Solutions, Inc.	Multimedia Mobile Personalization System
TVO Solutions, Inc.	US	14,680,893	08/15/2011	20110430333	12/25/2014	9,884,288	12/28/2017	02/21/2021	TVO Solutions, Inc.	SECURE MULTIMEDIA TRANSFER SYSTEM
TVO Solutions, Inc.	US	12,142,182	06/16/2008	20080247110	10/20/2008	9,880,272	11/27/2017	11/02/2022	TVO Solutions, Inc.	SYSTEM AND METHOD FOR INTERNET ACCESS TO A PERSONAL TELEVISION SERVICE
TVO Solutions, Inc.	US	12,905,985	10/15/2011	20110231666	02/10/2011	8,881,210	11/04/2014	11/20/2022	TVO Solutions, Inc.	SYSTEM AND METHOD FOR INTERNET ACCESS TO A PERSONAL TELEVISION SERVICE
TVO Solutions, Inc.	US	12,964,733	11/12/2010	20101041071	02/10/2011	9,084,646	02/18/2014	04/13/2021	TVO Solutions, Inc.	SYSTEM AND METHOD FOR INTERNET ACCESS TO A PERSONAL TELEVISION SERVICE
TVO Solutions, Inc.	US	14,155,606	07/15/2014	20140500038	05/28/2014	9,083,272	03/27/2018	02/27/2021	TVO Solutions, Inc.	System And Method For Internet Access To A Personal Television Service
TVO Solutions, Inc.	US	10,701,326	04/04/2011	20110179441	07/12/2011	8,336,077	03/17/2021	03/17/2021	TVO Solutions, Inc.	System And Method For Internet Access To A Personal Television Service
TVO Solutions, Inc.	US	14,631,910	11/03/2014	20140505938	02/26/2015	9,313,548	04/12/2016	02/27/2021	TVO Solutions, Inc.	System And Method For Internet Access To A Personal Television Service
TVO Solutions, Inc.	US	11,473,543	06/02/2008	20070302044	12/27/2007	7,461,121	02/09/2010	02/09/2027	TVO Solutions, Inc.	System And Method For Internet Access To A Personal Television Service
TVO Solutions, Inc.	US	12,973,202	10/07/2009	20100203624	02/11/2010	8,461,130	03/27/2013	06/22/2028	TVO Solutions, Inc.	In-Hand Data Recognition And Synchronization System
TVO Solutions, Inc.	US	12,873,037	10/07/2009	20100207916	02/11/2010	8,572,888	10/26/2013	06/22/2028	TVO Solutions, Inc.	In-Hand Data Recognition And Synchronization System
TVO Solutions, Inc.	US	14,068,613	10/28/2013	20140505993	02/27/2014	9,100,670	03/28/2018	06/22/2028	TVO Solutions, Inc.	In-Hand Data Recognition And Synchronization System
TVO Solutions, Inc.	US	14,813,278	03/04/2015	20150304065	11/26/2015	10,153,200	12/11/2016	01/26/2028	TVO Solutions, Inc.	In-Hand Data Recognition And Synchronization System
TVO Solutions, Inc.	US	16,185,484	09/22/2008	20080302930	12/27/2007	7,873,982	01/19/2011	09/28/2028	TVO Solutions, Inc.	IN-BAND DATA RECOGNITION AND SYNCHRONIZATION SYSTEM
TVO Solutions, Inc.	US	14,743,880	07/15/2011	20110172482	02/17/2011	9,106,848	08/11/2016	09/28/2028	TVO Solutions, Inc.	Method And Apparatus For Advertising Placement In A User Dialog On A Set-Top Box
TVO Solutions, Inc.	US	13,007,618	07/15/2011	20110110046	05/12/2011	9,106,848	08/11/2016	09/28/2028	TVO Solutions, Inc.	Method And Apparatus For Advertising Placement In A User Dialog On A Set-Top Box
TVO Solutions, Inc.	US	11,474,018	06/02/2008	20070302061	12/27/2007	8,260,300	03/04/2012	10/28/2028	TVO Solutions, Inc.	Method And Apparatus For Advertising Placement In A User Dialog On A Set-Top Box
TVO Solutions, Inc.	US	11,482,281	07/24/2008	20070302063	12/27/2007	9,058,826	07/27/2016	07/28/2027	TVO Solutions, Inc.	Method And Apparatus For Advertising Placement In A User Dialog On A Set-Top Box
TVO Solutions, Inc.	US	14,275,782	04/25/2010	20100204918	02/11/2010	9,280,031	06/28/2016	06/22/2028	TVO Solutions, Inc.	Method And Apparatus For Menu Placement On A Mobile Pervasive Device
TVO Solutions, Inc.	US	03,137,881	04/25/2010	20100204918	08/19/2010	8,036,881	03/16/2016	10/28/2028	TVO Solutions, Inc.	Method And Apparatus For Advertising Placement In A User Dialog On A Set-Top Box
TVO Solutions, Inc.	US	13,800,027	08/21/2012	20120328243	12/27/2012	9,036,881	03/16/2016	10/28/2028	TVO Solutions, Inc.	Method And Apparatus For Advertising Placement In A User Dialog On A Set-Top Box
TVO Solutions, Inc.	US	13,685,371	10/18/2012	20120166423	03/01/2013	9,363,924	06/27/2016	06/23/2028	TVO Solutions, Inc.	Method And Apparatus For Advertising Placement In A User Dialog On A Set-Top Box
TVO Solutions, Inc.	US	10,586,460	07/31/2013	20130145882	10/28/2013	9,333,214	05/23/2016	06/23/2028	TVO Solutions, Inc.	Method And Apparatus For Advertising Placement In A User Dialog On A Set-Top Box
TVO Solutions, Inc.	US	11,483,138	07/07/2008	20070202035	07/11/2007	8,138,824	03/20/2012	11/28/2020	TVO Solutions, Inc.	Method And Apparatus For Automated Bidding And Advertisement Placement On A Set-Top Box
TVO Solutions, Inc.	US	13,413,313	03/08/2012	20120171467	07/05/2012	8,687,848	04/01/2014	07/11/2028	TVO Solutions, Inc.	SYSTEM AND METHOD FOR DIGITAL CONTENT RETRIEVAL
TVO Solutions, Inc.	US	11,615,717	09/11/2008	20080718277	05/22/2008	8,100,282	03/24/2010	04/17/2028	TVO Solutions, Inc.	SYSTEM AND METHOD FOR DIGITAL CONTENT RETRIEVAL
TVO Solutions, Inc.	US	14,759,593	06/24/2015	20150204956	11/01/2015	11,057,888	11/20/2018	09/11/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	14,879,341	10/08/2015	20150307250	02/24/2016	10,350,098	03/20/2019	01/20/2027	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	11,852,184	09/07/2007	20070801810	02/12/2008	8,718,441	03/06/2014	10/12/2021	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	14,282,758	05/05/2014	20140241684	03/25/2014	9,078,346	07/27/2016	09/27/2027	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	12,016,713	01/18/2008	20080187618	07/23/2008	8,281,012	02/02/2016	10/20/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	15,012,786	02/01/2010	20100156461	08/20/2010	9,080,264	10/18/2028	07/18/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	12,102,388	04/14/2008	20080205875	10/15/2008	7,758,840	06/01/2010	04/14/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	12,863,240	12/07/2008	20081018482	06/24/2010	8,000,889	08/16/2012	04/14/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	10,944,687	07/28/2011	20110288887	11/24/2011	8,112,381	02/27/2016	04/14/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	12,834,382	12/08/2008	20100144571	06/10/2010	8,000,388	11/15/2011	04/14/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	12,832,030	08/12/2008	20080302833	02/19/2010	8,882,377	10/14/2014	07/13/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	12,180,518	03/12/2008	20080182008	05/15/2014	8,684,320	07/27/2014	11/18/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	14,158,212	01/20/2014	20140137173	05/15/2014	9,271,040	02/23/2016	08/12/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	15,045,446	02/22/2016	20160173820	09/16/2016	9,565,488	02/27/2017	08/12/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	15,044,302	01/24/2017	20170203851	07/20/2017	10,324,248	06/26/2019	08/17/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	10,181,281	08/13/2008	20080302748	02/19/2010	8,338,612	07/29/2013	02/22/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	13,742,414	01/22/2013	20130132171	05/23/2013	8,713,888	04/26/2014	08/12/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	14,065,238	04/28/2014	20140206712	03/01/2014	9,004,271	06/23/2016	08/12/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	14,745,121	09/23/2015	20150928230	10/15/2015	9,584,161	07/24/2017	08/12/2028	TVO Solutions, Inc.	Personal Content Distribution Network
TVO Solutions, Inc.	US	15,413,370	01/23/2017	20170134771	05/11/2017	10,657,288	03/14/2018	08/12/2028	TVO Solutions, Inc.	Personal Content Distribution Network







Row Guides, Inc.	US	Issued	4428,705	04/20/2014	20150314291	1125,2018	8,752,881	01/02/2017	12/21/2035	Row Guides, Inc.	METHODS AND SYSTEMS FOR CONTROLLING MEDIA GUIDANCE APPLICATION OPERATIONS DURING VIDEO GAMING APPLICATIONS
Row Guides, Inc.	US	Issued	4428,713	04/20/2014	20150314600	1125,2018	8,822,374	12/26/2017	04/26/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR PERFORMING PLAYBACK OPERATIONS BASED ON THE LENGTH OF TIME A USER IS OUTSIDE A VIEWING AREA
Row Guides, Inc.	US	Issued	4428,687	04/20/2014	20150317465	1125,2018	9,542,567	07/10/2017	06/20/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR ENABLING MEDIA GUIDANCE APPLICATION OPERATIONS BASED ON BIOMETRIC DATA
Row Guides, Inc.	US	Pending	5242,011	03/21/2018	20160278678	0227,2018				Row Guides, Inc.	METHODS AND SYSTEMS FOR ESTABLISHING COMMUNICATION WITH USERS BASED ON BIOMETRIC DATA
Row Guides, Inc.	US	Issued	4431,007	05/10/2014	20150320268	1221,2016	9,728,833	08/26/2017	06/30/2034	Row Guides, Inc.	METHODS AND METHODS FOR LOADING INTERACTIVE MEDIA GUIDE DATA BASED ON USER HISTORY
Row Guides, Inc.	US	Pending	15070,846	08/07/2017	20160201865	0226/2018				Row Guides, Inc.	METHODS AND METHODS FOR GENERATING FOR DISPLAY AN INTERACTIVE MEDIA GUIDE BASED ON USER HISTORY
Row Guides, Inc.	US	Issued	4431,935	06/30/2014	20150320262	1221,2016	9,441,315	08/29/2016	06/30/2034	Row Guides, Inc.	METHODS AND METHODS FOR GENERATING FOR DISPLAY AN INTERACTIVE MEDIA GUIDE BASED ON USER HISTORY
Row Guides, Inc.	US	Issued	4429,285	05/10/2014	20150320742	1222,2016	10,655,601	08/26/2016	05/20/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR PRESENTING CUSTOMIZED OPTIONS ON A SECOND DEVICE
Row Guides, Inc.	US	Issued	4429,381	05/10/2014	20150320665	1222,2016	8,491,728	12/27/2016	08/21/2034	Row Guides, Inc.	METHODS AND METHODS FOR USING VARIABLE TYPING COY FOR BIOMETRIC-BASED RECOMMENDATIONS
Row Guides, Inc.	US	Issued	4428,076	05/10/2014	20150320465	1222,2016	9,072,866	06/26/2017	06/30/2034	Row Guides, Inc.	METHODS AND METHODS FOR TEMPORAL VISUALIZATION OF MEDIA ASSET CONTENT
Row Guides, Inc.	US	Issued	4428,743	05/28/2014	20150320507	1223,2016	9,268,521	03/15/2016	06/26/2034	Row Guides, Inc.	METHODS AND METHODS FOR UPDATING MEDIA ASSET DATA BASED ON PAUSE POINT IN THE MEDIA ASSET
Row Guides, Inc.	US	Issued	4451,915	12/18/2014	20160178918	0623,2016	10,303,097	10/21/2016	10/07/2035	Row Guides, Inc.	METHODS AND SYSTEMS FOR PRESENTING SOCIAL MEDIA DISPLAYS
Row Guides, Inc.	US	Issued	4429,233	05/10/2014	20150320746	1223,2016	8,301,013	03/26/2016	05/20/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR ALERTING USERS REGARDING MEDIA AVAILABILITY
Row Guides, Inc.	US	Issued	4429,245	05/10/2014	20150320759	1223,2016	8,301,544	06/07/2016	05/20/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR ADJUSTING THE AMOUNT OF TIME REQUIRED TO CONSUME A MEDIA ASSET BASED ON A CURRENT TRIP OF A USER
Row Guides, Inc.	US	Issued	4429,471	07/23/2014	20150320897	0728,2016	8,697,230	03/12/2017	07/23/2034	Row Guides, Inc.	METHODS AND METHODS FOR PROVIDING MEDIA ASSET RECOMMENDATIONS FOR A GROUP
Row Guides, Inc.	US	Issued	4429,792	06/26/2014	20150320265	1221,2016	9,388,343	07/18/2016	06/26/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR PROVIDING OBJECTS THAT DESCRIBE MEDIA ASSETS
Row Guides, Inc.	US	Issued	4429,444	06/26/2014	20150320264	1221,2016	8,553,518	12/29/2016	06/26/2034	Row Guides, Inc.	METHODS AND METHODS FOR AUTOMATICALLY SETTING UP USER PREFERENCES FOR ENABLING SUBTTITLES
Row Guides, Inc.	US	Issued	4429,444	06/26/2014	20150320271	1221,2016	6,582,251	07/02/2017	06/26/2034	Row Guides, Inc.	METHODS AND METHODS FOR AUTOMATICALLY ENABLING SUBTTITLES BASED ON USER ACTIVITY
Row Guides, Inc.	US	Pending	4429,558	07/11/2014	20160017143	0229,2016				Row Guides, Inc.	METHODS AND METHODS FOR PROVIDING MEDIA GUIDANCE IN RELATION TO MULTIPLE VIEWED MEDIA ASSETS
Row Guides, Inc.	US	Issued	4429,423	06/30/2014	20150320266	0229,2016	8,244,748	08/17/2016	11/29/2034	Row Guides, Inc.	METHODS AND METHODS FOR PROVIDING MEDIA GUIDANCE IN RELATION TO MULTIPLE VIEWED MEDIA ASSETS
Row Guides, Inc.	US	Issued	4458,146	06/30/2014	20150320263	1226,2016	9,485,528	11/01/2016	10/31/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR PREVENTING USER FROM TERMINATING SERVICES
Row Guides, Inc.	US	Issued	4450,520	06/30/2014	20150320269	1026,2016	10,297,018	06/18/2016	06/30/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR PREVENTING USER FROM TERMINATING SERVICES BASED ON USE
Row Guides, Inc.	US	Pending	1028,533	04/20/2018						Row Guides, Inc.	METHODS AND SYSTEMS FOR PREVENTING A USER FROM TERMINATING A SERVICE BASED ON THE ACCESSIBILITY OF A PREFERRED MEDIA ASSET
Row Guides, Inc.	US	Issued	4450,317	06/30/2014	20150321264	1026,2016	6,625,889	12/20/2016	06/30/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR PREVENTING A USER DEVICE BASED ON USE OF A USER AND A RECEIVED VERBAL INPUT
Row Guides, Inc.	US	Issued	44710,805	06/13/2015	20160024844	1117,2016	10,186,488	02/25/2016	06/21/2036	Row Guides, Inc.	METHODS AND SYSTEMS FOR REGULATING USER DEVICE BASED ON USE OF A USER AND A RECEIVED VERBAL INPUT
Row Guides, Inc.	US	Issued	4448,688	06/26/2014	20160024844	0222,2016	6,242,545	01/10/2017	06/12/2035	Row Guides, Inc.	METHODS AND SYSTEMS FOR REGULATING USER DEVICE BASED ON USE OF A USER AND A RECEIVED VERBAL INPUT
Row Guides, Inc.	US	Issued	4448,377	06/22/2014	20160026317	0224,2016	8,710,071	07/18/2017	12/21/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR SEARCHING FOR A MEDIA ASSET
Row Guides, Inc.	US	Issued	4450,544	06/30/2014	20160026247	0221,2016	8,833,321	11/28/2017	06/18/2035	Row Guides, Inc.	METHODS AND METHODS FOR SEARCHING FOR A MEDIA ASSET
Row Guides, Inc.	US	Pending	15823,584	11/27/2017	20160181591	0628,2018				Row Guides, Inc.	METHODS AND METHODS FOR PERFORMING AIR IN THE PRESENCE OF HETEROGRANARS
Row Guides, Inc.	US	Issued	4448,388	07/13/2014	20160035847	0224,2016	8,171,544	08/01/2017	07/13/2034	Row Guides, Inc.	METHODS AND METHODS FOR SEARCHING FOR A MEDIA ASSET
Row Guides, Inc.	US	Issued	4450,235	06/30/2014	20160024874	0221,2016	11,046,322	12/26/2016	06/14/2037	Row Guides, Inc.	METHODS AND SYSTEMS FOR CONTROLLING USER DEVICES
Row Guides, Inc.	US	Issued	4448,338	06/22/2014	20160026295	0224,2016	8,718,736	11/02/2017	06/30/2035	Row Guides, Inc.	METHODS AND SYSTEMS FOR CALIBRATING USER DEVICES
Row Guides, Inc.	US	Issued	4448,885	06/20/2014	20160026819	0225,2016	9,510,647	11/29/2016	06/22/2034	Row Guides, Inc.	METHODS AND METHODS FOR AUTOMATICALLY PERFORMING MEDIA ACTIONS BASED ON STATUS OF EXTERNAL COMPONENTS
Row Guides, Inc.	US	Pending	15827,861	03/27/2018	20160278687	0627,2018				Row Guides, Inc.	METHODS AND METHODS FOR PRESENTING USER SELECTED SCENES
Row Guides, Inc.	US	Issued	4450,292	06/30/2014	20160024875	0221,2016	9,950,405	03/27/2018	06/30/2034	Row Guides, Inc.	METHODS AND METHODS FOR PRESENTING USER SELECTED SCENES
Row Guides, Inc.	US	Issued	4450,442	06/30/2014	20160024880	0221,2016	8,884,414	02/13/2018	06/30/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR PRESENTING CONTENT TO A USER BASED ON THE MOVEMENT OF THE USER
Row Guides, Inc.	US	Issued	4453,643	10/31/2014	20160177487	0505,2016	8,882,203	12/26/2017	02/26/2035	Row Guides, Inc.	METHODS AND METHODS FOR GENERATING A UNIQUE FINGERPRINT ADDRESSING SET OF UNIQUE TRACKING IDENTIFIERS THROUGHOUT MULTIPLE RESPONSE PROCESSING
Row Guides, Inc.	US	Issued	4453,430	10/30/2014	20160177182	0505,2016	8,759,827	08/26/2017	05/20/2035	Row Guides, Inc.	METHODS AND METHODS FOR GENERATING A UNIQUE FINGERPRINT ADDRESSING SET OF UNIQUE TRACKING IDENTIFIERS THROUGHOUT MULTIPLE RESPONSE PROCESSING
Row Guides, Inc.	US	Issued	4453,765	10/28/2014	20160177542	0426,2016	8,346,824	05/24/2016	11/20/2034	Row Guides, Inc.	METHODS AND METHODS FOR GENERATING SHADOWS FOR A MEDIA GUIDANCE APPLICATION BASED ON CONTENT
Row Guides, Inc.	US	Issued	571,88,213	06/18/2016	20160208881	0611,2016	8,775,674	08/26/2017	10/28/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR INVOKING FUNCTIONS BASED ON WHETHER A PARTIAL PRINT OF AN ENTIRE PRINT IS DETECTED
Row Guides, Inc.	US	Pending	15975,870	06/25/2017	20160278682	0416,2018				Row Guides, Inc.	METHODS AND SYSTEMS FOR INVOKING FUNCTIONS BASED ON WHETHER A PARTIAL PRINT OF AN ENTIRE PRINT IS DETECTED
Row Guides, Inc.	US	Issued	4452,881	10/28/2014			8,116,644	08/26/2018	10/28/2034	Row Guides, Inc.	METHODS AND SYSTEMS FOR INVOKING FUNCTIONS BASED ON WHETHER A PARTIAL PRINT OF AN ENTIRE PRINT IS DETECTED
Row Guides, Inc.	US	Issued	4453,130	12/18/2014	20160178389	0616,2016	10,187,982	07/22/2018	07/14/2035	Row Guides, Inc.	METHODS AND SYSTEMS FOR INVOKING FUNCTIONS BASED ON WHETHER A PARTIAL PRINT OF AN ENTIRE PRINT IS DETECTED
Row Guides, Inc.	US	Pending	16211,728	12/08/2018	20160181216	0620,2018				Row Guides, Inc.	METHODS AND SYSTEMS FOR DISTRIBUTING MEDIA GUIDANCE AMONG MULTIPLE DEVICES
Row Guides, Inc.	US	Pending	16211,728	12/08/2018	20160181216	0620,2018				Row Guides, Inc.	METHODS AND SYSTEMS FOR DISTRIBUTING MEDIA GUIDANCE AMONG MULTIPLE DEVICES
Row Guides, Inc.	US	Issued	4451,528	12/22/2014	20160183827	0622,2016	9,848,335	03/15/2015	03/15/2035	Row Guides, Inc.	METHODS AND SYSTEMS FOR GENERATING A NOTIFICATION
Row Guides, Inc.	US	Pending	16237,780	12/17/2017	20160186828	0712,2018				Row Guides, Inc.	METHODS AND SYSTEMS FOR GENERATING A NOTIFICATION
Row Guides, Inc.	US	Issued	17254,584	10/18/2015	20160208887	0524,2016	7,603,635	10/13/2016	10/22/2031	Row Guides, Inc.	METHODS AND SYSTEMS FOR VERIFYING MEDIA GUIDANCE DATA
Row Guides, Inc.	US	Issued	13083,774	04/17/2011	20110181886	0824,2011	6,381,248	02/16/2013	02/16/2030	Row Guides, Inc.	PROCRAWM GUIDE SYSTEM WITH COMBINATION CATEGORY SEARCH
Row Guides, Inc.	US	Issued	14263,325	12/24/2014	20160182005	0620,2016	8,690,835	10/24/2017	12/24/2034	Row Guides, Inc.	METHODS AND METHODS FOR MULTITRACKING CONTENT RECOMMENDATIONS
Row Guides, Inc.	US	Issued	15970,922	06/15/2017	20160208883	0426,2016	10,313,297	06/24/2018	12/24/2034	Row Guides, Inc.	METHODS AND METHODS FOR MULTITRACKING CONTENT RECOMMENDATIONS
Row Guides, Inc.	US	Pending	16427,320	05/27/2018	20160208878	1023,2018				Row Guides, Inc.	METHODS AND METHODS FOR MULTITRACKING CONTENT RECOMMENDATIONS



Row 1	Row 2	Row 3	Row 4	Row 5	Row 6	Row 7	Row 8	Row 9	Row 10	Row 11	Row 12	Row 13	Row 14	Row 15	Row 16	Row 17	Row 18	Row 19	Row 20	Row 21	Row 22	Row 23	Row 24	Row 25	Row 26	Row 27	Row 28	Row 29	Row 30	Row 31	Row 32	Row 33	Row 34	Row 35	Row 36	Row 37	Row 38	Row 39	Row 40	Row 41	Row 42	Row 43	Row 44	Row 45	Row 46	Row 47	Row 48	Row 49	Row 50	Row 51	Row 52	Row 53	Row 54	Row 55	Row 56	Row 57	Row 58	Row 59	Row 60	Row 61	Row 62	Row 63	Row 64	Row 65	Row 66	Row 67	Row 68	Row 69	Row 70	Row 71	Row 72	Row 73	Row 74	Row 75	Row 76	Row 77	Row 78	Row 79	Row 80	Row 81	Row 82	Row 83	Row 84	Row 85	Row 86	Row 87	Row 88	Row 89	Row 90	Row 91	Row 92	Row 93	Row 94	Row 95	Row 96	Row 97	Row 98	Row 99	Row 100
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Row 1	Row 2	Row 3	Row 4	Row 5	Row 6	Row 7	Row 8	Row 9	Row 10	Row 11	Row 12	Row 13	Row 14	Row 15	Row 16	Row 17	Row 18	Row 19	Row 20	Row 21	Row 22	Row 23	Row 24	Row 25	Row 26	Row 27	Row 28	Row 29	Row 30	Row 31	Row 32	Row 33	Row 34	Row 35	Row 36	Row 37	Row 38	Row 39	Row 40	Row 41	Row 42	Row 43	Row 44	Row 45	Row 46	Row 47	Row 48	Row 49	Row 50	Row 51	Row 52	Row 53	Row 54	Row 55	Row 56	Row 57	Row 58	Row 59	Row 60	Row 61	Row 62	Row 63	Row 64	Row 65	Row 66	Row 67	Row 68	Row 69	Row 70	Row 71	Row 72	Row 73	Row 74	Row 75	Row 76	Row 77	Row 78	Row 79	Row 80	Row 81	Row 82	Row 83	Row 84	Row 85	Row 86	Row 87	Row 88	Row 89	Row 90	Row 91	Row 92	Row 93	Row 94	Row 95	Row 96	Row 97	Row 98	Row 99	Row 100
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Row 1	Row 2	Row 3	Row 4	Row 5	Row 6	Row 7	Row 8	Row 9	Row 10	Row 11	Row 12	Row 13	Row 14	Row 15	Row 16	Row 17	Row 18	Row 19	Row 20	Row 21	Row 22	Row 23	Row 24	Row 25	Row 26	Row 27	Row 28	Row 29	Row 30	Row 31	Row 32	Row 33	Row 34	Row 35	Row 36	Row 37	Row 38	Row 39	Row 40	Row 41	Row 42	Row 43	Row 44	Row 45	Row 46	Row 47	Row 48	Row 49	Row 50	Row 51	Row 52	Row 53	Row 54	Row 55	Row 56	Row 57	Row 58	Row 59	Row 60	Row 61	Row 62	Row 63	Row 64	Row 65	Row 66	Row 67	Row 68	Row 69	Row 70	Row 71	Row 72	Row 73	Row 74	Row 75	Row 76	Row 77	Row 78	Row 79	Row 80	Row 81	Row 82	Row 83	Row 84	Row 85	Row 86	Row 87	Row 88	Row 89	Row 90	Row 91	Row 92	Row 93	Row 94	Row 95	Row 96	Row 97	Row 98	Row 99	Row 100
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Row 1	Row 2	Row 3	Row 4	Row 5	Row 6	Row 7	Row 8	Row 9	Row 10	Row 11	Row 12	Row 13	Row 14	Row 15	Row 16	Row 17	Row 18	Row 19	Row 20	Row 21	Row 22	Row 23	Row 24	Row 25	Row 26	Row 27	Row 28	Row 29	Row 30	Row 31	Row 32	Row 33	Row 34	Row 35	Row 36	Row 37	Row 38	Row 39	Row 40	Row 41	Row 42	Row 43	Row 44	Row 45	Row 46	Row 47	Row 48	Row 49	Row 50	Row 51	Row 52	Row 53	Row 54	Row 55	Row 56	Row 57	Row 58	Row 59	Row 60	Row 61	Row 62	Row 63	Row 64	Row 65	Row 66	Row 67	Row 68	Row 69	Row 70	Row 71	Row 72	Row 73	Row 74	Row 75	Row 76	Row 77	Row 78	Row 79	Row 80	Row 81	Row 82	Row 83	Row 84	Row 85	Row 86	Row 87	Row 88	Row 89	Row 90	Row 91	Row 92	Row 93	Row 94	Row 95	Row 96	Row 97	Row 98	Row 99	Row 100
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Row Guides, Inc.	US	Issued	15815.345	11/16/2017	20160148889	05/16/2018	10,346,443	07/26/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING SUMMARIZED VIEWS OF A MEDIA ASSET IN A MULTI-TAB WINDOW USER INTERFACE
Row Guides, Inc.	US	Issued	15833.178	08/30/2017	20160258920	02/21/2018	10,148,038	07/26/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR ASSIGNING A USER WITH IDENTIFYING AND RELAYING CONTENT MISSED BY ANOTHER USER BASED ON AN ALERT ALERTING THE OTHER USER TO THE MISSED CONTENT
Row Guides, Inc.	US	Pending	16407.688	10/24/2018				07/26/2018	Row Guides, Inc.	METHODS AND SYSTEMS FOR CORRECTING, BASED ON SPEECH INPUT GENERATED USING AUTOMATIC SPEECH RECOGNITION
Row Guides, Inc.	US	Issued	15687.881	07/24/2017	20160267885	01/24/2018	10,271,102	04/23/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR CONFLICT DETECTION BASED ON USER PREFERENCES
Row Guides, Inc.	US	Pending	15085.444	04/18/2018	20160267885	09/15/2018			Row Guides, Inc.	SYSTEMS AND METHODS FOR CONFLICT DETECTION BASED ON USER PREFERENCES
Row Guides, Inc.	US	Issued	12003.883	10/22/2008	20101048813	07/11/2010	8,843,855	08/23/2014	Row Guides, Inc.	INTERACTIVE TELEVISION TARGETED MESSAGE SYSTEM
Row Guides, Inc.	US	Issued	14483.616	09/11/2014	20140383080	12/25/2014	9,038,884	04/19/2017	Row Guides, Inc.	INTERACTIVE TELEVISION TARGETED MESSAGE SYSTEM
Row Guides, Inc.	US	Issued	15725.687	08/28/2017	20160267878	12/13/2018	10,158,400	08/28/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETECTING AND CORRELATING SCHEDULED INFORMATION IN AN ELECTRONIC DOCUMENT TO GENERATE A CAL ENDSER SCHEDULE INDICATOR
Row Guides, Inc.	US	Issued	15615.195	08/28/2017	20160267878	12/13/2018	10,158,400	08/28/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING SEARCH RESULTS FROM MULTIPLE SOURCES
Row Guides, Inc.	US	Pending	15032.422	09/27/2017	20160313547	12/27/2018			Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A VIRTUAL ASSISTANT TO ACCOMMODATE DIFFERENT SENTIMENT AMONG A GROUP OF USERS BY CORRELATING OR PRIORITIZING SOURCES OF THE DIFFERENT SENTIMENT
Row Guides, Inc.	US	Issued	15775.835	10/06/2017	20160313547	11/06/2018	10,123,082	11/06/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR EXCLUDING CONSUMED CONTENT FROM A CONTENT PRESENTATION
Row Guides, Inc.	US	Pending	16144.282	10/02/2018	20160110080	04/11/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR EXCLUDING CONSUMED CONTENT FROM A CONTENT PRESENTATION
Row Guides, Inc.	US	Issued	15485.219	07/20/2017	20160267840	01/24/2018	10,176,848	07/20/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING PLAYBACK POINTS IN MEDIA ASSETS
Row Guides, Inc.	US	Pending	16188.033	11/21/2018	20160172488	06/06/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING PLAYBACK POINTS IN MEDIA ASSETS
Row Guides, Inc.	US	Issued	15785.172	10/26/2017	20160173838	05/27/2018	10,111,049	10/26/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A LOW POWER MODE FOR A MEDIA GUIDANCE APPLICATION
Row Guides, Inc.	US	Issued	15785.180	10/26/2017	20160173838	05/27/2018	10,111,049	10/26/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A LOW POWER MODE FOR A MEDIA GUIDANCE APPLICATION
Row Guides, Inc.	US	Pending	15655.618	07/20/2017	20160266830	01/24/2018			Row Guides, Inc.	METHODS AND SYSTEMS FOR RECOMMENDING ACTORS
Row Guides, Inc.	US	Issued	15485.886	07/20/2017	20160268778	01/24/2018	10,187,704	07/20/2017	Row Guides, Inc.	METHODS AND SYSTEMS FOR PRESENTING A MEDIA ASSET SEGMENT THAT IS ASSOCIATED WITH A PRE-SPECIFIED QUALITY OF ACTING
Row Guides, Inc.	US	Issued	15702.334	09/11/2017	20160307937	03/14/2018	10,235,483	07/20/2018	Row Guides, Inc.	METHODS AND SYSTEMS FOR AN INTERACTIVE MEDIA GUIDANCE EXPERIENCE
Row Guides, Inc.	US	Issued	15085.424	07/19/2017	20160267878	07/18/2018	10,148,912	07/19/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING A RECOMMENDATION OF A MEDIA ASSET FOR SIMILAR CONSUMPTION WITH A CURRENT MEDIA ASSET
Row Guides, Inc.	US	Pending	16207.883	12/03/2018	20160110192	04/11/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING A RECOMMENDATION OF A MEDIA ASSET FOR SIMILAR CONSUMPTION WITH A CURRENT MEDIA ASSET
Row Guides, Inc.	US	Issued	15660.381	07/28/2017	20160307924	01/31/2018	10,200,719	02/26/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR IDENTIFYING AND CORRELATING AN ADVERTISED OBJECT FROM A MEDIA ASSET WITH A DEMANDED OBJECT FROM A GROUP OF INTERCONNECTED COMPUTING DEVICES EMERGING
Row Guides, Inc.	US	Pending	16227.487	12/20/2018	20160222881	07/18/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR IDENTIFYING AND CORRELATING AN ADVERTISED OBJECT FROM A MEDIA ASSET WITH A DEMANDED OBJECT FROM A GROUP OF INTERCONNECTED COMPUTING DEVICES EMERGING
Row Guides, Inc.	US	Pending	15688.035	08/02/2017	20160207420	03/27/2018			Row Guides, Inc.	SYSTEMS AND METHODS FOR IDENTIFYING A CATEGORY OF A SEARCH TERM AND PROVIDING SEARCH RESULTS SUBJECT TO THE IDENTIFIED CATEGORY
Row Guides, Inc.	US	Issued	15710.812	09/20/2017	20160102481	04/04/2018	10,187,877	09/20/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING ADVERTISEMENTS RELATED TO MEDIA ASSETS ON RELATED CONTENT FROM DIFFERENT SOURCES
Row Guides, Inc.	US	Pending	16211.488	12/08/2018	20160181280	06/20/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING ADVERTISEMENTS RELATED TO MEDIA ASSETS ON RELATED CONTENT FROM DIFFERENT SOURCES
Row Guides, Inc.	US	Issued	15710.813	09/20/2017	20160181280	06/20/2019	10,178,422	01/26/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING ADVERTISEMENTS RELATED TO MEDIA ASSETS ON RELATED CONTENT FROM DIFFERENT SOURCES
Row Guides, Inc.	US	Issued	15874.281	09/10/2017	20160262826	02/14/2018	10,255,888	02/12/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR AUTOMATICALLY RESUMING APPROPRIATE PAUSED CONTENT WHEN THERE ARE MULTIPLE USERS AT A MEDIA DEVICE
Row Guides, Inc.	US	Pending	15725.817	08/28/2017	20160102480	04/04/2018			Row Guides, Inc.	RECOMMENDING RESULTS IN MULTIPLE LANGUAGES FOR SEARCH QUERIES BASED ON USER PROFILE
Row Guides, Inc.	US	Pending	15725.915	09/28/2017	20160102481	04/04/2018			Row Guides, Inc.	RECOMMENDING RESULTS IN MULTIPLE LANGUAGES FOR SEARCH QUERIES BASED ON USER PROFILE
Row Guides, Inc.	US	Issued	15775.684	10/02/2017	20160267878	10/25/2018	10,057,447	08/27/2018	Row Guides, Inc.	RECOMMENDING LANGUAGE MODELS FOR SEARCH QUERIES BASED ON USER PROFILE
Row Guides, Inc.	US	Pending	15686.743	09/02/2017	20160267874	03/27/2018			Row Guides, Inc.	METHODS AND SYSTEMS FOR LAUNCHING MULTIMEDIA APPLICATIONS BASED ON DEVICE CAPABILITIES
Row Guides, Inc.	US	Issued	15838.540	12/12/2017	20160152032	09/12/2018	10,425,247	09/24/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING SUMMARIES OF MISSED PORTIONS OF MEDIA ASSETS
Row Guides, Inc.	US	Pending	16562.248	08/08/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR WORKING PLAYBACK OF A MEDIA ASSET IN RESPONSE TO A VERBAL COMMAND UNRELATED TO PLAYBACK OF THE MEDIA ASSET
Row Guides, Inc.	US	Issued	15359.389	12/12/2017	20160152032	10/13/2018	10,135,632	11/20/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING WHETHER A USER IS AUTHORIZED TO PERFORM AN ACTION IN RESPONSE TO A DETECTED SOUND
Row Guides, Inc.	US	Pending	15847.680	12/18/2017	20160181280	06/20/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR WORKING PLAYBACK OF A MEDIA ASSET IN RESPONSE TO A VERBAL COMMAND UNRELATED TO PLAYBACK OF THE MEDIA ASSET
Row Guides, Inc.	US	Issued	15847.682	12/18/2017	20160181281	06/20/2018	10,433,018	10/07/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR ADAPTIVE STORAGE AND SCHEDULING OF MEDIA ASSETS
Row Guides, Inc.	US	Issued	15807.788	11/08/2017	20160267878	10/28/2018	10,083,811	11/08/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR ADAPTIVE STORAGE AND SCHEDULING OF MEDIA ASSETS
Row Guides, Inc.	US	Pending	15848.503	12/20/2017	20160181188	06/20/2018			Row Guides, Inc.	METHODS AND SYSTEMS FOR REINTERPRETING A APP CATCHUP WINDOW WITH LIVE VIDEO
Row Guides, Inc.	US	Pending	15789.398	10/20/2017	20160173885	05/22/2018			Row Guides, Inc.	SYSTEMS AND METHODS FOR AUDIING SPOTTERS IN PRESENTING RECOMMENDATIONS RELATING TO A COMPETITION
Row Guides, Inc.	US	Issued	15784.581	10/26/2017	20160267878	10/25/2018	10,057,400	08/27/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR PRESENTATION OF ADVERTISED REALITY SUPER EVENTUAL CONTENT IN COMBINATION WITH PRESENTATION OF MEDIA CONTENT
Row Guides, Inc.	US	Issued	15784.671	10/26/2017	20160132828	05/21/2018	10,082,284	07/23/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR REBUILDING PLAYBACK OF MEDIA CONTENT
Row Guides, Inc.	US	Pending	16130.771	09/13/2018	20160262285	03/14/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING PAUSE POSITION RECOMMENDATIONS
Row Guides, Inc.	US	Issued	15787.012	10/31/2017	20160158825	05/23/2018	10,083,910	08/28/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING PAUSE POSITION RECOMMENDATIONS
Row Guides, Inc.	US	Pending	16134.675	09/18/2018	20160262285	03/14/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING PAUSE POSITION RECOMMENDATIONS
Row Guides, Inc.	US	Issued	15787.012	10/31/2017	20160158825	05/23/2018	10,083,910	08/28/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING PAUSE POSITION RECOMMENDATIONS
Row Guides, Inc.	US	Pending	16324.482	07/28/2018	20160132837	06/22/2019			Row Guides, Inc.	SYSTEMS AND METHODS FOR NAVIGATING INTERNET APPLIANCES USING A MEDIA GUIDANCE APPLICATION
Row Guides, Inc.	US	Issued	15837.788	11/28/2017	20160164433	05/30/2018	10,433,018	11/28/2017	Row Guides, Inc.	METHODS AND SYSTEMS FOR INDICATING DISPLAY CONTENT
Row Guides, Inc.	US	Issued	15815.291	09/18/2017	20160148878	05/16/2018	10,072,018	11/16/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR CURATING A SERIES OF INFORMATION ASSOCIATED WITH A MEDIA ASSET
Row Guides, Inc.	US	Issued	15815.291	09/18/2017	20160148878	05/16/2018	10,072,018	11/16/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR CURATING A SERIES OF INFORMATION ASSOCIATED WITH A MEDIA ASSET
Row Guides, Inc.	US	Issued	15838.448	11/07/2017	20160264787	03/21/2018	8,118,838	08/26/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING RECOMMENDATIONS BASED ON SHORT-TERM VIEWING PROFILE AND LONG-TERM VIEWING PROFILE
Row Guides, Inc.	US	Issued	15815.345	11/16/2017	20160148889	05/16/2018	10,072,018	12/20/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR COORDINATING INTERACTIVE AND PASSIVE ADVERTISEMENT AND MERCHANDISING OPPORTUNITIES
Row Guides, Inc.	US	Issued	15815.345	11/16/2017	20160148889	05/16/2018	10,072,018	12/20/2017	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING SCHEDULED PAUSE POSITION RECOMMENDATIONS



Row 1	Issued	15485,461	04/27/2017	20110220272	091,0207	1,018,768	01/22/2018	Row 1	Row 1	INTERACTIVE TELEVISION APPLICATION WITH NAVIGABLE CELLS AND REGIONS
Row 2	Pending	14073,780	11/02/2018	20160714493	0595,2070			Row 2	Row 2	INTERACTIVE TELEVISION APPLICATION WITH NAVIGABLE CELLS AND REGIONS
Row 3	Pending	15889,565	02/08/2018	20160253587	091,52078			Row 3	Row 3	SYSTEMS AND METHODS FOR BLOCKING SPOILERS
Row 4	Issued	15899,412	02/02/2018		11,026,2078			Row 4	Row 4	METHODS AND SYSTEMS FOR SETTING A MEDIA CONTENT ITEM FOR PRESENTATION DURING A TRIP
Row 5	Issued	14135,652	09/01/2018	20102046175	0508,2070	1,046,107	10/16/2018	Row 5	Row 5	METHODS AND SYSTEMS FOR SETTING A MEDIA CONTENT ITEM FOR PRESENTATION DURING A TRIP
Row 6	Pending	15824,828	03/18/2018	20160286868	0201,92078			Row 6	Row 6	SYSTEMS AND METHODS FOR ALERTING A USER TO PUBLISHED UNSERABLE IMAGES DEPENDING ON THE USER
Row 7	Pending	15935,683	02/22/2018	20160259770	0920,22070			Row 7	Row 7	SYSTEMS AND METHODS FOR AUTOMATICALLY GENERATING SUPPLEMENTAL CONTENT FOR A MEDIA ASSET BASED ON A USER'S PERSONAL MEDIA COLLECTION
Row 8	Pending	14141,976	10/16/2018	2010255664				Row 8	Row 8	SYSTEMS AND METHODS FOR ALERTING A USER TO MISSED CONTENT IN PERIODICALLY ACCESSED MEDIA
Row 9	Issued	15935,043	02/15/2018		1,054,318		07/20/2018	Row 9	Row 9	SYSTEMS AND METHODS FOR ALERTING A USER TO MISSED CONTENT IN PERIODICALLY ACCESSED MEDIA
Row 10	Issued	15987,286	02/15/2018				12/11/2018	Row 10	Row 10	SYSTEMS AND METHODS FOR CUSTOMIZING DELIVERY OF ADVERTISEMENTS
Row 11	Pending	14158,650	11/05/2018	20160253765	0915,52078			Row 11	Row 11	SYSTEMS AND METHODS FOR CUSTOMIZING DELIVERY OF ADVERTISEMENTS
Row 12	Pending	14010,309	07/12/2019		0925,52078			Row 12	Row 12	SYSTEMS AND METHODS FOR CUSTOMIZING DELIVERY OF ADVERTISEMENTS
Row 13	Pending	15603,481	02/23/2018		0925,52078			Row 13	Row 13	SYSTEMS AND METHODS FOR MANAGING RECORDED MEDIA ASSETS THROUGH ADVERTISING INSERTION
Row 14	Issued	15937,927	02/27/2018	20160306975	1,033,2078		08/01/2018	Row 14	Row 14	SYSTEMS AND METHODS FOR MANAGING RECORDED MEDIA ASSETS THROUGH ADVERTISING INSERTION
Row 15	Issued	15937,720	02/23/2018		1,032,828		08/13/2018	Row 15	Row 15	SYSTEMS AND METHODS FOR MANAGING LOCAL AND CLOUD STORAGE FOR MEDIA ASSETS
Row 16	Issued	15933,727	02/23/2018	20160297858	0926,2078	1,040,242	1,058,2018	Row 16	Row 16	SYSTEMS AND METHODS FOR MANAGING LOCAL AND CLOUD STORAGE FOR MEDIA ASSETS
Row 17	Pending	15925,687	03/14/2018	20160298970	0919,2078			Row 17	Row 17	SYSTEMS AND METHODS FOR CUSTOMIZING DELIVERY OF ADVERTISEMENTS
Row 18	Pending	15422,662	03/14/2018		0916,2078			Row 18	Row 18	SYSTEMS AND METHODS FOR MANAGING RECORDED MEDIA ASSETS THROUGH ADVERTISING INSERTION
Row 19	US	15603,882	02/02/2018	201602525078	1,024,2078			Row 19	Row 19	SYSTEMS AND METHODS FOR PRESENTING EVENT NOTIFICATIONS, BASED ON TRENDING COMMUNICATIONS, ON DEVICES NOT WITHSTANDING A USER INSTRUCTION TO DISABLE EVENT NOTIFICATIONS
Row 20	Pending	15976,441	02/07/2018	20160286867	0917,2078			Row 20	Row 20	SYSTEMS AND METHODS FOR PRESENTING EVENT NOTIFICATIONS, BASED ON TRENDING COMMUNICATIONS, ON DEVICES NOT WITHSTANDING A USER INSTRUCTION TO DISABLE EVENT NOTIFICATIONS
Row 21	Issued	15814,561	02/07/2018		1,021,148		08/11/2018	Row 21	Row 21	SYSTEMS AND METHODS FOR PRESENTING SEARCH RESULTS BASED ON A CONVERSATION
Row 22	Pending	14286,288	04/03/2018	20160250231	1,017,2078			Row 22	Row 22	SYSTEMS AND METHODS FOR DETERMINING WHETHER TO OUTPUT A REPLY TO A MESSAGE RELATING TO A PREVIOUS CONVERSATION WHEN A DEVICE IS ON A DO-NOT-DISTURB MODE
Row 23	Issued	15922,336	03/15/2018		1,032,812		08/13/2018	Row 23	Row 23	SYSTEMS AND METHODS FOR AUTOMATICALLY OUTPUTTING A REPLY TO A MESSAGE RELATING TO A MEDIA ASSET A USER IS CURRENTLY WATCHING WHEN THE USER'S DEVICE IS ON A DO-NOT-DISTURB MODE
Row 24	Issued	15922,338	03/15/2018		1,032,812		08/13/2018	Row 24	Row 24	SYSTEMS AND METHODS FOR AUTOMATICALLY OUTPUTTING A REPLY TO A MESSAGE RELATING TO A MEDIA ASSET A USER IS CURRENTLY WATCHING WHEN THE USER'S DEVICE IS ON A DO-NOT-DISTURB MODE
Row 25	Pending	15961,232	04/24/2018	20160297858	1,024,2078			Row 25	Row 25	SYSTEMS AND METHODS FOR SETTING A DESTINATION FOR STORAGE OF A MEDIA ASSET BASED ON PRIORITY LEVEL/HOOD
Row 26	Pending	14323,516	03/14/2018		1,024,2078			Row 26	Row 26	METHODS AND SYSTEMS FOR SETTING A DESTINATION FOR STORAGE OF A MEDIA ASSET BASED ON PRIORITY LEVEL/HOOD
Row 27	Pending	15976,362	05/10/2018		1,024,2078			Row 27	Row 27	METHODS AND SYSTEMS FOR SETTING A DESTINATION FOR STORAGE OF A MEDIA ASSET BASED ON PRIORITY LEVEL/HOOD
Row 28	Pending	15976,366	05/10/2018					Row 28	Row 28	METHODS AND SYSTEMS FOR SETTING A DESTINATION FOR STORAGE OF A MEDIA ASSET BASED ON PRIORITY LEVEL/HOOD
Row 29	Pending	15976,368	05/10/2018					Row 29	Row 29	METHODS AND SYSTEMS FOR SETTING A DESTINATION FOR STORAGE OF A MEDIA ASSET BASED ON PRIORITY LEVEL/HOOD
Row 30	Pending	15976,368	05/10/2018					Row 30	Row 30	METHODS AND SYSTEMS FOR SETTING A DESTINATION FOR STORAGE OF A MEDIA ASSET BASED ON PRIORITY LEVEL/HOOD
Row 31	Issued	15933,386	05/10/2018		1,048,972		10/16/2018	Row 31	Row 31	SYSTEMS AND METHODS FOR CONNECTING A PUBLIC DEVICE TO A PRIVATE DEVICE PROVIDING A PRESENTED CONTENT MANAGEMENT APPLICATION
Row 32	Issued	15897,975	06/05/2018		1,075,422		08/06/2018	Row 32	Row 32	SYSTEMS AND METHODS FOR CONNECTING A PUBLIC DEVICE TO A PRIVATE DEVICE PROVIDING A PRESENTED CONTENT MANAGEMENT APPLICATION
Row 33	Pending	14444,688	09/18/2018		1,012,244		08/01/2018	Row 33	Row 33	SYSTEMS AND METHODS FOR CONNECTING A PUBLIC DEVICE TO A PRIVATE DEVICE PROVIDING A PRESENTED CONTENT MANAGEMENT APPLICATION
Row 34	Issued	15987,988	06/05/2018		1,012,244		08/01/2018	Row 34	Row 34	SYSTEMS AND METHODS FOR CONNECTING A PUBLIC DEVICE TO A PRIVATE DEVICE PROVIDING A PRESENTED CONTENT MANAGEMENT APPLICATION
Row 35	Pending	15977,695	02/27/2018	20160298978	1,019,2078			Row 35	Row 35	SYSTEMS AND METHODS FOR TRAINING NETWORK-COCONNECTED OBJECTS TO PROVIDE CONFIGURATIONS IN ASSOCIATION WITH EVENTS WITHIN MEDIA ASSETS
Row 36	Pending	15938,827	02/27/2018		1,023,2078			Row 36	Row 36	SYSTEMS AND METHODS FOR TRAINING NETWORK-COCONNECTED OBJECTS TO PROVIDE CONFIGURATIONS IN ASSOCIATION WITH EVENTS WITHIN MEDIA ASSETS
Row 37	Pending	16574,496	05/18/2018		1,023,2078			Row 37	Row 37	SYSTEMS AND METHODS FOR TRAINING NETWORK-COCONNECTED OBJECTS TO PROVIDE CONFIGURATIONS IN ASSOCIATION WITH EVENTS WITHIN MEDIA ASSETS
Row 38	Pending	15936,887	02/27/2018	20160259878	1,023,2078			Row 38	Row 38	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 39	Issued	15841,597	02/28/2018		1,023,2078			Row 39	Row 39	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 40	Pending	15938,341	02/28/2018	20160259878	1,023,2078			Row 40	Row 40	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 41	Pending	15938,341	02/28/2018		1,023,2078			Row 41	Row 41	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 42	Pending	16083,820	02/28/2018	20160259878	1,023,2078			Row 42	Row 42	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 43	Pending	16083,820	02/28/2018	20160259878	1,023,2078			Row 43	Row 43	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 44	Pending	16083,820	02/28/2018	20160259878	1,023,2078			Row 44	Row 44	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 45	Issued	16023,844	08/28/2018		1,025,547		04/06/2018	Row 45	Row 45	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 46	Pending	16287,981	07/27/2018					Row 46	Row 46	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 47	Pending	16028,038	07/02/2018		1,030,244		07/23/2018	Row 47	Row 47	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 48	Issued	15972,876	05/07/2018					Row 48	Row 48	SYSTEMS AND METHODS FOR PREVENTING AND PREVENTING INTERRUPTIONS FROM NETWORK-COCONNECTED DEVICES FROM OCCURRING DURING MEDIA VIEWING
Row 49	Pending	15646,198	02/28/2018	20160254192	1,033,2078			Row 49	Row 49	SYSTEMS AND METHODS FOR UPDATING A NON-AUGMENTED REALITY OVERLAY WITH USER INTERACTIONS IN A AUGMENTED REALITY OVERLAY
Row 50	Pending	15947,345	04/06/2018	20160211067	1,010,2078			Row 50	Row 50	SYSTEMS AND METHODS FOR UPDATING A NON-AUGMENTED REALITY OVERLAY WITH USER INTERACTIONS IN A AUGMENTED REALITY OVERLAY
Row 51	Issued	15846,650	04/02/2018		1,024,168		02/12/2018	Row 51	Row 51	SYSTEMS AND METHODS FOR UPDATING A NON-AUGMENTED REALITY OVERLAY WITH USER INTERACTIONS IN A AUGMENTED REALITY OVERLAY
Row 52	Pending	16235,288	12/28/2018	20160211066	1,010,2078			Row 52	Row 52	SYSTEMS AND METHODS FOR UPDATING A NON-AUGMENTED REALITY OVERLAY WITH USER INTERACTIONS IN A AUGMENTED REALITY OVERLAY

Row Guides, Inc	US	Pending	15,876,435	05/10/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR CONNECTING PRIVATE DEVICES TO PUBLIC DEVICES ACCORDING TO CONNECTION PARAMETERS
Row Guides, Inc	US	Pending	6,983,818	03/25/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR CREATING CUSTOMIZED CONTENT
Row Guides, Inc	US	Pending	14,481,833	06/25/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR CREATING CUSTOMIZED CONTENT
Row Guides, Inc	US	Pending	16,032,711	06/25/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR GAMIFICATION OF REAL-TIME INSTRUCTIONAL COMMENTARIES
Row Guides, Inc	US	Pending	16,032,487	06/25/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR ENABLING AND MONITORING CONTENT CREATION WHILE CONSUMING A LIVE VIDEO
Row Guides, Inc	US	Pending	16,018,898	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR SWITCHING OPERATIONAL MODES BASED ON AUDIO TRIGGERS
Row Guides, Inc	US	Pending	16,018,884	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR AUTOMATICALLY GENERATING SCENARIOS WITH VIDEO OF EVENT
Row Guides, Inc	US	Pending	16,017,532	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR AUTOMATICALLY GENERATING SCENARIOS WITH VIDEO OF EVENT
Row Guides, Inc	US	Issued	15,989,967	05/30/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR CREATING AN ASYNCHRONOUS SOCIAL WATCHING EXPERIENCE AMONG USERS
Row Guides, Inc	US	Pending	16,007,420	07/10/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR CREATING AN ASYNCHRONOUS SOCIAL WATCHING EXPERIENCE AMONG USERS
Row Guides, Inc	US	Issued	16,010,821	06/18/2018					Row Guides, Inc.	METHODS AND SYSTEMS FOR SHARING A USER INTERFACE OF A SEARCH ENGINE
Row Guides, Inc	US	Pending	16,024,191	11/28/2018					Row Guides, Inc.	METHODS AND SYSTEMS FOR SHARING A USER INTERFACE OF A SEARCH ENGINE
Row Guides, Inc	US	Pending	16,015,889	06/28/2018					Row Guides, Inc.	SYSTEM AND METHODS FOR SELECTING AND GENERATING PORTIONS OF A TARGET MEDIA ASSET FOR ADVERTISING THE TARGET MEDIA ASSET WHILE THE USER WATCHES A MEDIA ASSET
Row Guides, Inc	US	Issued	16,035,340	03/14/2019	20160350223	101712019	0309218	042692019	Row Guides, Inc.	SYSTEMS AND METHODS FOR EVALUATING A PROMOTIONAL CAMPAIGN
Row Guides, Inc	US	Issued	16,075,035	05/08/2018	20150755941	05082018	0525814	03282021	Row Guides, Inc.	SYSTEMS AND METHODS FOR REDUCING CUT-OFFS IN PROGRAM RECORDING
Row Guides, Inc	US	Issued	16,088,178	04/02/2018	20160278334	07282018	0525814	03282021	Row Guides, Inc.	SYSTEMS AND METHODS FOR REDUCING CUT-OFFS IN PROGRAM RECORDING
Row Guides, Inc	US	Pending	15,958,973	11/22/2018	20170250173	07192017			Row Guides, Inc.	SYSTEMS AND METHODS FOR REDUCING CUT-OFFS IN PROGRAM RECORDING
Row Guides, Inc	US	Pending	16,110,714	08/23/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR REDUCING CUT-OFFS IN PROGRAM RECORDING
Row Guides, Inc	US	Pending	16,658,727	10/27/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR DISPLAYING MULTIPLE MEDIA ASSETS FOR A PLURALITY OF USERS
Row Guides, Inc	US	Pending	16,079,324	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR DISPLAYING MULTIPLE MEDIA ASSETS FOR A PLURALITY OF USERS
Row Guides, Inc	US	Pending	16,077,766	06/28/2018					Row Guides, Inc.	SYSTEM AND METHOD FOR DETECTION OF AND RECOVERY FROM SOFTWARE EXECUTION FAILURE
Row Guides, Inc	US	Pending	16,022,819	06/28/2018					Row Guides, Inc.	METHODS AND SYSTEMS FOR UPDATING METADATA OF A MEDIA ASSET
Row Guides, Inc	US	Pending	16,111,765	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR RECOMMENDING MEDIA ASSETS BASED ON OBJECTS CAPTURED IN VISUAL ASSETS
Row Guides, Inc	US	Pending	16,038,808	06/28/2018					Row Guides, Inc.	METHODS AND SYSTEMS FOR PROVIDING UNCORRELATED MEDIA ASSETS
Row Guides, Inc	US	Pending	16,038,808	06/28/2018					Row Guides, Inc.	PROMISING RECOMMENDATIONS BASED ON PASSIVE MICROPHONE DETECTIONS
Row Guides, Inc	US	Pending	16,021,713	06/28/2018					Row Guides, Inc.	SELECTIVELY DELIVERING A TRANSLATION FOR A MEDIA ASSET BASED ON USER PROFICIENCY LEVEL IN THE FOREIGN LANGUAGE AND PROFICIENCY LEVEL REQUIRED TO COMPREHEND THE MEDIA ASSET
Row Guides, Inc	US	Pending	16,045,348	07/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR PERFORMING ACTIONS ON NETWORK-CONNECTED OBJECTS IN RESPONSE TO REMINDERS ON DEVICES BASED ON AN ACTION CRITERION
Row Guides, Inc	US	Issued	16,832,438	12/10/2018	20150186268	07222018	8,883,170	10142014	Row Guides, Inc.	SYSTEMS AND METHODS FOR DISPLAYING WORKFLOWS OF ANTICIPATED DYNAMIC EVENTS ON A MEDIA PROGRESS INDICATOR
Row Guides, Inc	US	Issued	14,811,478	10/10/2014	20150178176	05072018	10,015,862	07282018	Row Guides, Inc.	SYSTEM AND METHOD FOR METADATA-LINKED ADVERTISEMENTS
Row Guides, Inc	US	Issued	16,013,485	06/28/2018	20160307867	12202018	10,410,824	06/17/2019	Row Guides, Inc.	SYSTEM AND METHOD FOR METADATA-LINKED ADVERTISEMENTS
Row Guides, Inc	US	Pending	16,118,317	08/30/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR ASSIST SWITCH TO MANUAL MODE IN SELF-DRIVING VEHICLES IN CASES OF PERCEIVED EMERGENCY
Row Guides, Inc	US	Pending	16,118,191	08/30/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING A MEDIA-BASED RESULT TO AN AMBIGUOUS QUERY
Row Guides, Inc	US	Pending	16,222,872	12/17/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR RECORDING RELEVANT PORTIONS OF A MEDIA ASSET
Row Guides, Inc	US	Pending	16,138,453	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING WHETHER TO TRIGGER A VOICE-CAPABLE DEVICE BASED ON SPEAKING CONFIDENCE
Row Guides, Inc	US	Pending	15,988,115	09/16/2018					Row Guides, Inc.	RELATION COMPENSATED RESULT SELECTION
Row Guides, Inc	US	Issued	16,823,765	03/20/2021	20200266687	05082020	8,338,403	11/05/2013	Row Guides, Inc.	SYSTEMS AND METHODS FOR IMPROVED AUDIENCE MEASURING
Row Guides, Inc	US	Issued	13,544,013	07/08/2012	20120382471	11/28/2012	8,015,738	04/21/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR IMPROVED AUDIENCE MEASURING
Row Guides, Inc	US	Pending	14,688,862	04/16/2015	20150271580	08/24/2015			Row Guides, Inc.	SYSTEMS AND METHODS FOR IMPROVED AUDIENCE MEASURING
Row Guides, Inc	US	Pending	16,141,603	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR IMPROVED AUDIENCE MEASURING
Row Guides, Inc	US	Pending	16,141,580	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR SELECTING A REGION OF A FLEXIBLE SCREEN AND CONTROLLING VIDEO PLAYBACK
Row Guides, Inc	US	Pending	16,141,617	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR SELECTING A REGION OF A FLEXIBLE SCREEN AND CONTROLLING VIDEO PLAYBACK
Row Guides, Inc	US	Pending	16,142,239	06/28/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR SELECTING A REGION OF A FLEXIBLE SCREEN AND CONTROLLING VIDEO PLAYBACK
Row Guides, Inc	US	Pending	16,222,714	12/17/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING QUERY SUGGESTIONS
Row Guides, Inc	US	Pending	16,121,218	06/24/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR CONTROLLING PLAYBACK OR RESUMING OF MEDIA ASSETS BASED ON A STATE OF A SECONDARY DEVICE
Row Guides, Inc	US	Pending	16,142,178	06/27/2018					Row Guides, Inc.	SYSTEMS AND METHODS FOR ADVERTISING WITHIN A SUBTITLE OF A MEDIA ASSET
Row Guides, Inc	US	Issued	16,888,270	07/19/2014	20050172318	08/24/2016	7,084,158	08/22/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR MEDIA PROJECTION SURFACE SELECTION
Row Guides, Inc	US	Issued	17,148,314	07/02/2020	20200716847	07/18/2020	8,171,846	02/27/2021	Row Guides, Inc.	USER SPEECH INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc	US	Issued	17,184,108	04/18/2020	20200251691	11/11/2020	7,783,491	08/24/2019	Row Guides, Inc.	USER SPEECH INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc	US	Issued	17,184,686	08/20/2017	20050162445	07/23/2018	7,783,480	08/24/2019	Row Guides, Inc.	USER SPEECH INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc	US	Issued	13,285,385	07/18/2012	20120280294	10/11/2012	8,423,871	04/20/2013	Row Guides, Inc.	USER SPEECH INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc	US	Issued	13,285,485	02/28/2013	20130169580	07/18/2013	8,668,846	02/28/2014	Row Guides, Inc.	USER SPEECH INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc	US	Issued	14,142,860	12/26/2013	20140108812	04/17/2014	8,348,888	03/24/2016	Row Guides, Inc.	USER SPEECH INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS



Row Guides, Inc.	US	Issued	157134.480	04/27/2016	02/02/2018	02/02/2018	10,083,008	02/02/2018	02/02/2021	Row Guides, Inc.	USERS SPECIFIC INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Pending	160171.238	08/25/2018	03/03/2019	10/19/2018				Row Guides, Inc.	USERS SPECIFIC INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Pending	164111.005	08/23/2018	02/03/2019	12/20/2018				Row Guides, Inc.	USERS SPECIFIC INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Pending	164211.174	09/26/2018	02/03/2019					Row Guides, Inc.	USERS SPECIFIC INTERFACES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Pending	164245.511	09/28/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR A GEN-BASED UI TO FACILITATE EFFICIENT NAVIGATION
Row Guides, Inc.	US	Pending	164423.246	08/28/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR MODERING DATE-RELATED REFERENCES OF A MEDIA ASSET TO REFLECT ABSOLUTE DATES
Row Guides, Inc.	US	Pending	164423.238	09/26/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR CURATION AND DELIVERY OF CONTENT FOR USE IN ELECTRONIC CALLS
Row Guides, Inc.	US	Pending	164738.143	08/27/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR CURATION AND DELIVERY OF CONTENT FOR USE IN ELECTRONIC CALLS
Row Guides, Inc.	US	Pending	162728.093	12/03/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR TEMPORARILY LICENSING CONTENT
Row Guides, Inc.	US	Pending	160137.286	09/20/2018						Row Guides, Inc.	METHOD AND SYSTEMS FOR PROVIDING PERSONALIZED SUPERFLUENT AUDIO STREAMS
Row Guides, Inc.	US	Pending	160141.236	09/20/2018						Row Guides, Inc.	METHOD AND SYSTEMS FOR PROVIDING PERSONALIZED SUPERFLUENT AUDIO STREAMS
Row Guides, Inc.	US	Pending	16161.049	10/16/2018						Row Guides, Inc.	EMBEDDING SYNCHRONIZED SUPERFLUENT CONTENT IN TIME-SHIFTED MEDIA
Row Guides, Inc.	US	Pending	16144.385	09/27/2018						Row Guides, Inc.	SYSTEM AND METHOD TO RETRIEVE A SECURE MESSAGE WHEN A DISPLAY OF A MOBILE DEVICE IS INACCESSIBLE
Row Guides, Inc.	US	Pending	160158.159	10/12/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING NOTIFICATIONS WITHIN A MEDIA ASSET WITHOUT BREAKING IMMERSION
Row Guides, Inc.	US	Pending	160171.883	10/16/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR INDICATING PROGRESS WITHIN A MEDIA ASSET
Row Guides, Inc.	US	Issued	088378.856	04/10/2018	02/02/2021	08/27/2021	7,888,624	02/02/2021	08/27/2021	Row Guides, Inc.	SYSTEMS AND METHODS FOR REPLACING CONTENT DIALOGUE IN AN ALTERNATE LANGUAGE
Row Guides, Inc.	US	Issued	130058.975	07/13/2017	02/01/2018	07/14/2017	8,424,038	02/02/2019	08/27/2021	Row Guides, Inc.	INTERACTIVE MEDIA GUIDE WITH MEDIA GUIDANCE INTERFACE
Row Guides, Inc.	US	Issued	13844.838	03/18/2013	03/02/2013	08/22/2013	8,782,756	05/20/2014	04/10/2021	Row Guides, Inc.	INTERACTIVE MEDIA GUIDE WITH MEDIA GUIDANCE INTERFACE
Row Guides, Inc.	US	Issued	142233.786	03/24/2014	03/04/2018	07/24/2014	8,191,716	11/17/2018	04/10/2021	Row Guides, Inc.	INTERACTIVE MEDIA GUIDE WITH MEDIA GUIDANCE INTERFACE
Row Guides, Inc.	US	Pending	148838.616	07/24/2015	03/03/2018	11/19/2015				Row Guides, Inc.	INTERACTIVE MEDIA GUIDE WITH MEDIA GUIDANCE INTERFACE
Row Guides, Inc.	US	Pending	16223.022	12/18/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR REPLACING A STEP OF A DIGITAL TUTORIAL
Row Guides, Inc.	US	Pending	16228.040	12/18/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR CUSTOMIZING PLAYBACK OF DIGITAL TUTORIALS
Row Guides, Inc.	US	Pending	16188.733	10/08/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING ANTICIPATORY SEARCH RESULTS FOR A QUERY
Row Guides, Inc.	US	Pending	16158.880	10/10/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING A/N/R CONTENT BASED OVERLAP COUNTS
Row Guides, Inc.	US	Pending	16153.075	10/02/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR OPTIMIZING DELIVERY OF CONTENT RECOMMENDATIONS
Row Guides, Inc.	US	Issued	088785.030	08/08/2018	02/02/2021	07/27/2024	8,768,836	07/11/2021	07/11/2021	Row Guides, Inc.	SYSTEMS AND METHODS FOR OVERSAMPLING USER INPUT OF COMMANDS IN A MULTI-USER ENVIRONMENT
Row Guides, Inc.	US	Pending	16168.681	10/24/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR USING PORTABLE DEVICE WITH A CODE SCANNER
Row Guides, Inc.	US	Pending	16222.817	12/17/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR DELIVERY OF CONTENT VIA MULTICAST AND UNICAST
Row Guides, Inc.	US	Pending	16158.270	10/08/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC SUBSCRIPTION-BASED ORDERING OF PRODUCT COMPONENTS
Row Guides, Inc.	US	Pending	16143.184	08/26/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING A PRODUCT RECOMMENDATION IN A VIRTUAL TRY-ON SESSION
Row Guides, Inc.	US	Pending	16201.678	11/27/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR RECOMMENDING PLAYBACK ON A NEXT AVAILABLE ACTIVE DEVICE
Row Guides, Inc.	US	Pending	16141.397	08/28/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR TRAINING A CONTROL SYSTEM BASED ON PRIOR AUDIO INPUTS
Row Guides, Inc.	US	Pending	16155.622	10/08/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR EMULATING AN ENVIRONMENT CREATED BY THE OUTPUTS OF A PLURALITY OF DEVICES
Row Guides, Inc.	US	Pending	16142.250	08/26/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR DETECTING PROBLEMS INPUTTING TEXT WITH A TOUCH ENVIRONMENT AND PROVIDING SOLUTIONS
Row Guides, Inc.	US	Pending	16146.735	08/28/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR CREATING QUERY RESULTS DISPLAYS
Row Guides, Inc.	US	Pending	16144.340	08/27/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR AUTOMATED PREDICTIVE PRODUCT RECOMMENDATION
Row Guides, Inc.	US	Pending	16197.832	11/27/2018						Row Guides, Inc.	ADJUSTMENT OF AUDIOVIDEO CONTENT WITH ENHANCED INTERACTIVE CONTENT
Row Guides, Inc.	US	Pending	16197.837	11/27/2018						Row Guides, Inc.	INTELLIGENT DISPLAY OF CONTENT
Row Guides, Inc.	US	Pending	16197.856	11/27/2018						Row Guides, Inc.	INTELLIGENT DISPLAY OF CONTENT
Row Guides, Inc.	US	Pending	16168.656	10/23/2018						Row Guides, Inc.	INTELLIGENT DISPLAY OF CONTENT
Row Guides, Inc.	US	Issued	13191.021	07/27/2017	02/03/2018	02/03/2018	8,848,892	02/03/2018	02/03/2022	Row Guides, Inc.	METHODS AND SYSTEMS FOR PREDICTIVE BUFFERING OF RELATED CONTENT SEGMENTS
Row Guides, Inc.	US	Issued	14573.448	12/17/2014	02/01/2018	04/16/2015	10,154,818	12/11/2018	02/03/2022	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING AUDIO-BASED GUIDANCE
Row Guides, Inc.	US	Issued	15087.624	02/17/2016	02/03/2018	11/02/2016	9,698,935	06/20/2017	02/03/2022	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING AUDIO-BASED GUIDANCE
Row Guides, Inc.	US	Issued	15888.741	09/13/2010	02/01/2018	05/26/2011	9,197,716	11/04/2018	05/14/2024	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING AUDIO-BASED GUIDANCE
Row Guides, Inc.	US	Issued	12837.322	12/16/2008	02/01/2018	07/22/2010	8,281,461	10/06/2012	10/08/2021	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING AUDIO-BASED GUIDANCE
Row Guides, Inc.	US	Issued	08974.646	10/08/2010	02/03/2018	09/16/2012	7,888,621	07/19/2010	08/18/2022	Row Guides, Inc.	SYSTEMS AND METHODS FOR MANAGING THE DISTRIBUTION OF OVERLAP MEDIA
Row Guides, Inc.	US	Issued	12205.663	08/28/2008	02/01/2018	05/26/2009	7,417,133 C1	03/26/2011	08/18/2022	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING STORAGE OF DATA ON SERVERS IN AN ON-DEMAND MEDIA DELIVERY SYSTEM
Row Guides, Inc.	US	Issued	132023.842	02/08/2011	02/01/2018	06/22/2011	8,884,184	11/12/2013	04/12/2022	Row Guides, Inc.	SYSTEMS AND METHODS FOR RE-COATING MEDIA
Row Guides, Inc.	US	Issued	14048.818	02/08/2013	02/01/2018	02/26/2014	8,873,088	03/03/2018	03/08/2021	Row Guides, Inc.	SYSTEMS AND METHODS FOR RE-COATING MEDIA
Row Guides, Inc.	US	Issued	144588.781	12/03/2014	02/01/2018	03/26/2018	9,482,317	10/04/2016	10/08/2021	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING STORAGE OF DATA ON SERVERS IN AN ON-DEMAND MEDIA DELIVERY SYSTEM





Row Guides, Inc.	US	Pending	16,424,230	05/28/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING A B-ARRAY-TIME LINE
Row Guides, Inc.	US	Pending	16,423,846	06/03/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR CONTROLLING ACCESS FROM A FIRST CONTENT PLATFORM TO CONTENT ITEMS AVAILABLE ON A SECOND CONTENT PLATFORM
Row Guides, Inc.	US	Pending	16,523,332	07/25/2019					Row Guides, Inc.	AUTOMATED GENERATION OF LOW QUALITY CONTENT TO HIGH QUALITY CONTENT
Row Guides, Inc.	US	Pending	16,655,310	10/21/2019					Row Guides, Inc.	AUTOMATED CONTENT GENERATION FROM STATISTICAL DATA
Row Guides, Inc.	US	Pending	16,447,582	06/20/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR DYNAMIC TRANSPARENCY ADJUSTMENTS FOR A MAP OVERLAY
Row Guides, Inc.	US	Pending	16,528,339	07/31/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR MANAGING VOICE QUERIES USING PRONUNCIATION INFORMATION
Row Guides, Inc.	US	Pending	16,525,541	07/31/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR MANAGING VOICE QUERIES USING PRONUNCIATION INFORMATION
Row Guides, Inc.	US	Pending	16,628,650	07/31/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR MANAGING VOICE QUERIES USING PRONUNCIATION INFORMATION
Row Guides, Inc.	US	Pending	16,424,192	05/28/2019					Row Guides, Inc.	SYSTEMS AND METHODS TO CLARIFY NOTIFICATIONS FROM UNSUBSCRIBED SOCIAL MEDIA CHANNELS
Row Guides, Inc.	US	Pending	16,445,384	06/20/2019					Row Guides, Inc.	METHOD AND APPARATUS FOR PROMINENT-BASED PLAY OF REFERRED CONTENT
Row Guides, Inc.	US	Pending	16,473,197	05/30/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR ADVERTISING USING RELATIVE MOTION
Row Guides, Inc.	US	Pending	16,542,785	05/08/2019			05/08/2020		Row Guides, Inc.	ENHANCING ACOUSTIC INFORMATION FOR ENHANCED PERSONALIZATION IN THE ENTERTAINMENT DOMAIN
Row Guides, Inc.	US	Pending	16,515,844	07/23/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL INFORMATION
Row Guides, Inc.	US	Pending	16,515,862	07/23/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL INFORMATION
Row Guides, Inc.	US	Pending	16,515,880	07/23/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL INFORMATION
Row Guides, Inc.	US	Pending	16,508,440	07/08/2019					Row Guides, Inc.	SYSTEMS AND METHODS TO DENOTE UNSEARCHED CONTENT TO BE SHARED
Row Guides, Inc.	US	Pending	16,425,494	05/31/2019					Row Guides, Inc.	STYLING A QUERY RESPONSE BASED ON A SUBJECT IDENTIFIED IN THE QUERY
Row Guides, Inc.	US	Pending	16,444,834	06/27/2019					Row Guides, Inc.	METHODS AND SYSTEMS FOR PERSONALIZED SCREEN CONTENT OPTIMIZATION
Row Guides, Inc.	US	Pending	16,561,054	05/01/2019					Row Guides, Inc.	EVOLUTIONARY PARAMETER OPTIMIZATION FOR SELECTING OPTIMAL, PERSONALIZED SCREEN COUPONS
Row Guides, Inc.	US	Pending	16,421,868	05/19/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PUSHING CONTENT
Row Guides, Inc.	US	Pending	16,541,975	05/15/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PUSHING CONTENT
Row Guides, Inc.	US	Pending	16,541,977	05/15/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PUSHING CONTENT
Row Guides, Inc.	US	Pending	16,444,722	06/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR SCENE CHANGE RECOMMENDATIONS
Row Guides, Inc.	US	Pending	16,444,746	06/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR SCENE CHANGE EVALUATION
Row Guides, Inc.	US	Pending	16,447,235	06/28/2019					Row Guides, Inc.	AUTOMATED CONTACT CREATION BASED ON CONTENT COMMUNICATIONS
Row Guides, Inc.	US	Pending	16,447,231	06/28/2019					Row Guides, Inc.	AUTOMATED CONTACT DETECTION BASED ON CONTENT COMMUNICATIONS
Row Guides, Inc.	US	Pending	16,447,236	06/28/2019					Row Guides, Inc.	AUTOMATED CONTACT UPDATING BASED ON CONTENT COMMUNICATIONS
Row Guides, Inc.	US	Pending	16,423,188	07/23/2019					Row Guides, Inc.	METHOD AND APPARATUS FOR CURATION OF CONTENT
Row Guides, Inc.	US	Pending	16,444,268	06/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR DEAMBIGUATING A VOICE SEARCH QUERY BASED ON GESTURES
Row Guides, Inc.	US	Pending	16,444,191	06/27/2019					Row Guides, Inc.	AUTOMATED CONTENT REALITY ENHANCEMENT
Row Guides, Inc.	US	Pending	16,518,840	07/23/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR CONTENT PREFERENCE DETERMINATION BASED ON SWIPE ANALYSIS
Row Guides, Inc.	US	Pending	16,523,364	07/23/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR IDENTIFYING DYNAMIC TYPES IN VOICE QUERIES
Row Guides, Inc.	US	Pending	16,523,781	07/26/2019					Row Guides, Inc.	METHOD AND APPARATUS FOR REDUCING INTERFERENCE FROM CONTENT PLAY IN MULTIDECIVE ENVIRONMENT
Row Guides, Inc.	US	Pending	16,523,782	07/26/2019					Row Guides, Inc.	FILTERING VIDEO CONTENT ITEMS
Row Guides, Inc.	US	Pending	16,523,881	07/26/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR GENERATING SEARCH SUGGESTIONS FOR A SEARCH QUERY OF MULTIPLE ENTITIES
Row Guides, Inc.	US	Pending	16,523,282	07/23/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR APPLYING BEHAVIORAL-BASED PARENTAL CONTROLS FOR MEDIA ASSETS
Row Guides, Inc.	US	Pending	16,441,785	05/15/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR AUTOMATICALLY IDENTIFYING SPAM IN SOCIAL MEDIA COMMENTS
Row Guides, Inc.	US	Pending	16,541,788	05/15/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR AUTOMATICALLY IDENTIFYING SPAM IN SOCIAL MEDIA COMMENTS BASED ON CONTEXT
Row Guides, Inc.	US	Pending	16,542,391	05/14/2019					Row Guides, Inc.	SELECTIVE PLAYBACK OF ADAPTIVE NORMAL SPEED DURING TRACK PLAY OPERATIONS
Row Guides, Inc.	US	Pending	16,523,276	10/18/2019			10/18/2020		Row Guides, Inc.	NATURAL LANGUAGE QUERY HANDLING IN MULTIDOMAIN SYSTEMS
Row Guides, Inc.	US	Pending	16,528,762	05/27/2019					Row Guides, Inc.	METHOD AND APPARATUS FOR MAINTAINING BANDWIDTH FOR ELECTRONIC CONTENT DISPLAY SYSTEM
Row Guides, Inc.	US	Pending	16,528,763	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,764	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,765	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,766	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,767	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,768	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,769	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,770	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,771	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,772	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,773	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,774	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,775	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,776	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,777	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,778	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,779	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,780	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,781	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,782	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,783	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,784	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,785	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,786	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,787	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,788	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,789	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,790	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,791	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,792	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,793	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,794	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,795	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,796	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,797	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,798	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,799	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,800	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,801	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,802	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,803	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,804	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,805	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,806	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,807	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,808	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,809	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,810	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,811	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,812	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,813	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,814	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY
Row Guides, Inc.	US	Pending	16,528,815	05/27/2019					Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT DURING REDUCED STREAMING QUALITY

Row Games, Inc.	US	Pending	14554,083	03/28/2018	20100153986	03/07/2010	8,348,833	08/17/2013	11/25/2012	Row Games, Inc.	ADAPTING ROUTINE AND PROVIDING CONTENT DURING AN ACTIVITY
Row Games, Inc.	US	Pending	14553,410	03/28/2018	20100153987	03/07/2010	8,348,833	08/17/2013	11/25/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR DISPLAYING SUBJECTS OF AN AUDIO PORTION OF CONTENT AND SEARCHING FOR CONTENT RELATED TO A SUBJECT OF THE AUDIO PORTION
Row Games, Inc.	US	Pending	14553,412	03/28/2018	20100153988	03/07/2010	8,348,833	08/17/2013	11/25/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR DISPLAYING SUBJECTS OF A VIDEO PORTION OF CONTENT AND SEARCHING FOR CONTENT RELATED TO A SUBJECT OF THE VIDEO PORTION
Row Games, Inc.	US	Pending	14557,918	03/30/2018	20100154040	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING UNINTERUPPT MEDIA CONTENT DURING VIDEO E NAVIGATION
Row Games, Inc.	US	Pending	14557,921	03/30/2018	20100154041	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING UNINTERUPPT MEDIA CONTENT DURING VIDEO E NAVIGATION
Row Games, Inc.	US	Pending	14557,925	03/30/2018	20100154042	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING UNINTERUPPT MEDIA CONTENT DURING VIDEO E NAVIGATION
Row Games, Inc.	US	Pending	14558,437	03/28/2018	20100153989	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING PERSONALIZED CONTENT
Row Games, Inc.	US	Pending	14558,916	03/28/2018	20100153990	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	COLLABORATIVE COMMENT ANALYSIS AND MODIFICATION TO CONTENT
Row Games, Inc.	US	Pending	14558,918	03/28/2018	20100153991	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR DISPLAYING SUBJECTS OF AN AUDIO PORTION OF CONTENT AND DISPLAYING AUTOCOMLETE SUGGESTIONS FOR A SEARCH RELATED TO A SUBJECT OF THE AUDIO PORTION
Row Games, Inc.	US	Pending	14558,922	03/28/2018	20100153992	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR DISPLAYING SUBJECTS OF AN AUDIO PORTION OF CONTENT AND DISPLAYING AUTOCOMLETE SUGGESTIONS FOR A SEARCH RELATED TO A SUBJECT OF THE AUDIO PORTION
Row Games, Inc.	US	Pending	14559,400	03/28/2018	20100153993	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT BASED ON MULTIPLE ANGLES
Row Games, Inc.	US	Pending	14559,407	03/28/2018	20100153994	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING CONTENT BASED ON MULTIPLE ANGLES
Row Games, Inc.	US	Pending	14559,243	10/07/2018	20100154043	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	METHOD AND APPARATUS FOR GENERATING HINT WORDS FOR AUTOMATED SPEECH RECOGNITION
Row Games, Inc.	US	Pending	14559,244	10/07/2018	20100154044	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	METHOD AND APPARATUS FOR GENERATING HINT WORDS FOR AUTOMATED SPEECH RECOGNITION
Row Games, Inc.	US	Pending	14559,106	03/28/2018	20100153995	03/07/2010	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR INSERTING MEDIA INTO A QUERY RESPONSE
Row Games, Inc.	US	Issued	10105,082	03/21/2012	20100154045	11/27/2010	8,198,528	04/10/2012	07/25/2018	Row Games, Inc.	PERSONAL VIDEO RECORDER SYSTEMS AND METHODS
Row Games, Inc.	US	Issued	12818,803	06/18/2011	20100154046	12/08/2010	8,884,184	11/16/2014	02/42/2012	Row Games, Inc.	PERSONAL VIDEO RECORDER SYSTEMS AND METHODS
Row Games, Inc.	US	Issued	12818,876	06/18/2011	20100154047	12/08/2010	8,884,184	11/16/2014	02/42/2012	Row Games, Inc.	PERSONAL VIDEO RECORDER SYSTEMS AND METHODS
Row Games, Inc.	US	Issued	14529,884	03/28/2018	20100154048	07/18/2015	9,481,580	11/28/2018	03/21/2022	Row Games, Inc.	PERSONAL VIDEO RECORDER SYSTEMS AND METHODS
Row Games, Inc.	US	Issued	14295,882	10/17/2016	20100154049	07/18/2015	9,481,580	11/28/2018	03/21/2022	Row Games, Inc.	PERSONAL VIDEO RECORDER SYSTEMS AND METHODS
Row Games, Inc.	US	Issued	11728,028	02/16/2008	20080140284	04/28/2008	8,481,475	04/04/2013	02/21/2022	Row Games, Inc.	PERSONAL VIDEO RECORDER SYSTEMS AND METHODS
Row Games, Inc.	US	Pending	14589,470	03/07/2018	20100153996	03/07/2010	8,348,833	08/17/2013	11/25/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR INTERACTIVE PROGRAM GUIDES WITH PERSONAL VIDEO RECORDING FEATURES
Row Games, Inc.	US	Issued	119384,787	03/28/2007	20080154257	07/17/2008	8,768,147	07/07/2014	02/02/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR INTERACTIVE PROGRAM GUIDES WITH PERSONAL VIDEO RECORDING FEATURES
Row Games, Inc.	US	Issued	14229,788	03/28/2018	20100154258	07/17/2014	9,083,522	03/21/2022	02/21/2022	Row Games, Inc.	SYSTEMS AND METHODS FOR INTERACTIVE PROGRAM GUIDES WITH PERSONAL VIDEO RECORDING FEATURES
Row Games, Inc.	US	Issued	14487,136	12/21/2015	20100154259	05/05/2016	9,480,374	03/27/2018	02/21/2022	Row Games, Inc.	SYSTEMS AND METHODS FOR INTERACTIVE PROGRAM GUIDES WITH PERSONAL VIDEO RECORDING FEATURES
Row Games, Inc.	US	Issued	14507,288	03/17/2018	20100154260	07/28/2016	9,480,378	03/26/2017	02/21/2022	Row Games, Inc.	SYSTEMS AND METHODS FOR INTERACTIVE PROGRAM GUIDES WITH PERSONAL VIDEO RECORDING FEATURES
Row Games, Inc.	US	Issued	10308,174	11/29/2009	20090154647	07/23/2010	7,282,276	11/26/2017	02/14/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR INTERACTIVE PROGRAM GUIDES WITH PERSONAL VIDEO RECORDING FEATURES
Row Games, Inc.	US	Issued	10234,727	03/28/2009	20101564261	06/23/2011	8,028,315	08/27/2018	05/20/2017	Row Games, Inc.	SYSTEMS AND METHODS FOR USING AN INTERACTIVE TELEVISION PROGRAM GUIDE TO ACCESS FANTASY SPORTS CONTESTS
Row Games, Inc.	US	Issued	13215,046	03/28/2011	20100154648	04/28/2011	8,381,257	03/12/2013	08/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR USING AN INTERACTIVE TELEVISION PROGRAM GUIDE TO ACCESS FANTASY SPORTS CONTESTS
Row Games, Inc.	US	Issued	14641,268	03/28/2018	20100154649	07/27/2016	9,268,682	03/22/2016	08/30/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR USING AN INTERACTIVE TELEVISION PROGRAM GUIDE TO ACCESS FANTASY SPORTS CONTESTS
Row Games, Inc.	US	Pending	15061,111	03/24/2016	20100154650	10/08/2016	9,348,833	08/17/2013	11/25/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR USING AN INTERACTIVE TELEVISION PROGRAM GUIDE TO ACCESS FANTASY SPORTS CONTESTS
Row Games, Inc.	US	Issued	10234,346	03/28/2009	20100153997	03/07/2010	8,348,833	08/17/2013	11/25/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING FANTASY SPORTS CONTESTS WITH WAGERING OPPORTUNITIES
Row Games, Inc.	US	Issued	12021,077	11/18/2013	20100153998	03/07/2010	8,348,833	08/17/2013	11/25/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING FANTASY SPORTS CONTESTS WITH WAGERING OPPORTUNITIES
Row Games, Inc.	US	Issued	14014,769	03/28/2013	20100153999	12/08/2013	9,006,866	08/23/2015	11/25/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH COVER LIFT MANAGEMENT CAPABILITIES
Row Games, Inc.	US	Issued	10337,001	01/30/2003	20040154440	03/05/2004	7,483,848	02/17/2008	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	12928,303	01/30/2003	20050119716	03/27/2008	7,779,444	08/17/2013	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	14582,144	12/22/2017	20180182182	07/05/2018	10,482,838	08/13/2018	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Pending	14588,722	07/07/2018	20180182183	07/05/2018	10,482,838	08/13/2018	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	13827,246	06/30/2010	20100153981	12/18/2010	7,481,222	08/28/2011	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	12837,048	06/30/2010	20100153982	12/18/2010	8,370,884	02/05/2013	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	13113,208	03/28/2011	20100153983	03/15/2011	8,789,871	03/05/2014	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	14213,348	06/24/2014	20140310750	10/18/2014	8,071,872	06/30/2012	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	14741,034	06/18/2015	20150110202	04/27/2016	9,388,841	06/14/2016	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	15154,108	03/13/2016	20160228411	03/07/2017	9,848,322	03/07/2017	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	14803,331	07/17/2017	20170224241	08/03/2017	8,884,322	12/28/2017	01/30/2012	Row Games, Inc.	INTERACTIVE TELEVISION SYSTEMS WITH DIGITAL VIDEO RECORDING AND ADVERTISABLE REMINDERS
Row Games, Inc.	US	Issued	14703,889	11/08/2013	20050104886	05/12/2005	7,484,448	07/16/2011	04/22/2017	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING PROGRAM SUGGESTIONS IN AN INTERACTIVE TELEVISION PROGRAM GUIDE
Row Games, Inc.	US	Issued	13165,208	06/21/2011	20120047533	02/23/2012	8,894,441	12/02/2014	11/08/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING PROGRAM SUGGESTIONS IN AN INTERACTIVE TELEVISION PROGRAM GUIDE
Row Games, Inc.	US	Issued	14587,077	12/07/2014	20150585843	03/28/2015	9,151,718	11/17/2018	11/08/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING PROGRAM SUGGESTIONS IN AN INTERACTIVE TELEVISION PROGRAM GUIDE
Row Games, Inc.	US	Pending	14841,881	11/16/2018	20180073167	03/10/2018				Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING PROGRAM SUGGESTIONS IN AN INTERACTIVE TELEVISION PROGRAM GUIDE

Row Guides, Inc.	US	Patented	16,559,312	07/17/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING PROGRAM SUGGESTIONS IN AN INTERACTIVE TELEVISION PROGRAM GUIDE
Row Guides, Inc.	US	Pending	16,559,313	10/24/2019						Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING PROGRAM SUGGESTIONS IN AN INTERACTIVE TELEVISION PROGRAM GUIDE
Row Guides, Inc.	US	Patented	16,559,333	10/10/2018						Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING PROGRAM SUGGESTIONS IN AN INTERACTIVE TELEVISION PROGRAM GUIDE
Row Guides, Inc.	US	Issued	12,951,389	09/31/2020	20170302716	01/23/2019	8,281,339	10/29/2012	07/12/2024	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING PROGRAM SUGGESTIONS IN AN INTERACTIVE TELEVISION PROGRAM GUIDE
Row Guides, Inc.	US	Issued	13,819,528	09/10/2012	20103002716	01/23/2014	6,656,038	04/28/2014	07/12/2024	Row Guides, Inc.	CUSTOMIZABLE LIVE AND BROWSE OVERLAYS IN AN INTERACTIVE TELEVISION SYSTEM
Row Guides, Inc.	US	Issued	14,213,766	03/14/2014	20140201783	07/17/2014	6,100,713	08/04/2015	07/12/2024	Row Guides, Inc.	CUSTOMIZABLE LIVE AND BROWSE OVERLAYS WITH CONTEXT-BASED INFORMATION TYPES IN AN INTERACTIVE TELEVISION SYSTEM
Row Guides, Inc.	US	Issued	14,832,313	07/17/2015	20150605428	07/17/2016	6,661,372	03/07/2017	07/12/2024	Row Guides, Inc.	CUSTOMIZABLE OVERLAYS BASED ON SUBJECT MATTER
Row Guides, Inc.	US	Issued	15,413,448	07/24/2017	20170201882	07/12/2017	6,912,827	09/15/2018	07/12/2024	Row Guides, Inc.	DIFFERENT OVERLAYS IN AN INTERACTIVE TELEVISION SYSTEM FOR DIFFERENT TELEVISION CHANNELS
Row Guides, Inc.	US	Issued	15,948,349	04/10/2018	20180302685	07/28/2019	6,055,325	06/08/2019	03/16/2024	Row Guides, Inc.	DIFFERENT OVERLAYS IN AN INTERACTIVE TELEVISION SYSTEM FOR DIFFERENT TELEVISION CHANNELS
Row Guides, Inc.	US	Issued	16,914,388	11/14/2020	20200105986	07/28/2019	6,055,325	06/08/2019	03/16/2024	Row Guides, Inc.	DIFFERENT OVERLAYS IN AN INTERACTIVE TELEVISION SYSTEM FOR DIFFERENT TELEVISION CHANNELS
Row Guides, Inc.	US	Issued	17,475,745	08/30/2020	20200302068	09/13/2019	7,359,450	02/15/2011	12/02/2026	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING ADVANCED INFORMATION SEARCHING IN AN INTERACTIVE MEDIA GUIDANCE APPLICATION
Row Guides, Inc.	US	Issued	17,475,745	08/30/2020	20200302068	09/13/2019	7,359,450	02/15/2011	12/02/2026	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING ADVANCED INFORMATION SEARCHING IN AN INTERACTIVE MEDIA GUIDANCE APPLICATION
Row Guides, Inc.	US	Issued	17,541,246	08/28/2020	20200302713	04/17/2020	6,856,461	08/30/2014	08/28/2026	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Issued	17,541,246	08/28/2020	20200302713	04/17/2020	6,856,461	08/30/2014	08/28/2026	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Issued	12,951,387	08/31/2020	20200104687	05/06/2020	8,352,742	08/30/2014	07/12/2028	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Issued	11,691,808	11/07/2020	20200104687	08/26/2020	7,464,438	08/26/2011	12/01/2027	Row Guides, Inc.	PRESENTING MEDIA GUIDANCE SEARCH RESULTS BASED ON RELEVANCY
Row Guides, Inc.	US	Issued	11,691,808	11/07/2020	20200104687	08/26/2020	7,464,438	08/26/2011	12/01/2027	Row Guides, Inc.	PRESENTING MEDIA GUIDANCE SEARCH RESULTS BASED ON RELEVANCY
Row Guides, Inc.	US	Issued	11,642,537	11/20/2020	20200106607	02/06/2020	6,269,424	08/26/2012	02/18/2023	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Issued	13,032,766	04/22/2021	20210203888	08/19/2011	8,881,194	11/17/2014	12/02/2028	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Issued	14,659,686	10/08/2014	20150101522	06/25/2015	6,197,238	11/24/2015	12/02/2028	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Issued	11,641,887	12/18/2020	20200304456	04/10/2020	8,832,742	08/30/2014	07/12/2028	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Issued	14,445,423	09/07/2014	20150902324	07/12/2015	6,215,524	12/15/2015	12/15/2018	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	Issued	14,839,711	11/12/2015	20160142778	05/19/2016	6,308,359	07/05/2016	12/18/2026	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS

Row Guides, Inc.	US	15285,484	09/02/2016	20100238,428	12/28/2016	8,615,138	04/04/2017	121182026	Row Guides, Inc.	SYSTEMS AND METHODS FOR ACCOUNTING, CATEGORIZING AND DELIVERING MEDIA IN INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	11641,976	12/18/2008	20080303,617	04/10/2008	8,381,248	02/19/2013	081862928	Row Guides, Inc.	SYSTEMS AND METHODS FOR ACCOUNTING, CATEGORIZING AND DELIVERING MEDIA IN INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	12641,765	12/18/2008	20101016,750	07/28/2010	8,286,648	09/11/2012	042020227	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING SUBSCRIPTION DATA
Row Guides, Inc.	US	13968,742	09/07/2012	20120234,923	11/19/2012	8,190,628	06/17/2014	042020227	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING SUBSCRIPTION DATA
Row Guides, Inc.	US	14682,461	05/02/2014	20140254,543	08/28/2014	8,181,033	05/24/2016	042020227	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING SUBSCRIPTION DATA
Row Guides, Inc.	US	14830,313	07/16/2016	20160319,448	11/25/2016	8,174,802	08/26/2017	042020227	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING SUBSCRIPTION DATA
Row Guides, Inc.	US	15024,586	09/14/2017	20180107,130	03/08/2018	8,158,999	12/18/2018	042020227	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING SUBSCRIPTION DATA
Row Guides, Inc.	US	16178,618	10/30/2018	20181013,348	05/02/2019				Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING SUBSCRIPTION DATA
Row Guides, Inc.	US	11778,668	04/20/2007	20080236,800	10/23/2008	8,081,047	12/27/2011	121220228	Row Guides, Inc.	SYSTEMS AND METHODS FOR DETERMINING SUBSCRIPTION DATA
Row Guides, Inc.	US	13261,986	12/08/2011	20100304,814	04/26/2012	8,058,447	02/17/2015	042020227	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	14832,134	01/27/2015	20150119,915	05/14/2015	8,024,654	04/20/2017	042020227	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	11728,174	03/22/2007	20080237,931	09/29/2008	8,018,208	11/10/2018	111010228	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE ACCESS TO INTERACTIVE MEDIA GUIDANCE APPLICATIONS
Row Guides, Inc.	US	13783,326	03/11/2013	20130227,615	08/26/2013	8,007,281	04/26/2016	032220227	Row Guides, Inc.	USER DEFINED RULES FOR ASSIGNING DESTINATIONS OF CONTENT
Row Guides, Inc.	US	15053,430	02/24/2016	20160113,824	06/18/2016	8,006,327	03/22/2017	032220227	Row Guides, Inc.	USER DEFINED RULES FOR ASSIGNING DESTINATIONS OF CONTENT
Row Guides, Inc.	US	15444,607	07/11/2017	20170103,830	11/02/2017	8,000,910	12/18/2018	032220227	Row Guides, Inc.	USER DEFINED RULES FOR ASSIGNING DESTINATIONS OF CONTENT
Row Guides, Inc.	US	16182,280	11/08/2018	20181014,388	05/08/2019				Row Guides, Inc.	USER DEFINED RULES FOR ASSIGNING DESTINATIONS OF CONTENT
Row Guides, Inc.	US	12388,386	09/24/2010	20111008,910	05/29/2011	8,250,916	04/26/2016	071120227	Row Guides, Inc.	SYSTEMS AND METHODS FOR WIRELESS AND TRANSCODING MEDIA CONTENT
Row Guides, Inc.	US	15012,818	02/27/2016	20160302,271	11/15/2016	8,203,303	08/28/2018	071120227	Row Guides, Inc.	SYSTEMS AND METHODS FOR WIRELESS AND TRANSCODING MEDIA CONTENT
Row Guides, Inc.	US	16044,274	07/28/2018	20180323,330	11/15/2018				Row Guides, Inc.	SYSTEMS AND METHODS FOR WIRELESS AND TRANSCODING MEDIA CONTENT
Row Guides, Inc.	US	13248,488	02/10/2003	20030116,842	03/23/2003	7,734,816	08/19/2018	032820228	Row Guides, Inc.	CONFLICT MANAGER FOR A VIDEO RECORDER
Row Guides, Inc.	US	13088,246	09/17/2003	20040116,614	08/12/2004	8,116,811	03/14/2012	081020225	Row Guides, Inc.	TURNER SHARING VIDEO RECORDER SYSTEM ARCHITECTURE
Row Guides, Inc.	US	10244,975	04/21/2003			8,100,538	07/06/2004	042120223	Row Guides, Inc.	VIDEO RECORDER HAVING USER EXTENDED AND AUTOMATICALLY EXTENDED TIME SLOTS
Row Guides, Inc.	US	10707,834	07/15/2004	20040234,277	10/21/2004	7,883,328	12/14/2016	042120223	Row Guides, Inc.	VIDEO RECORDER HAVING USER EXTENDED AND AUTOMATICALLY EXTENDED TIME SLOTS
Row Guides, Inc.	US	12944,038	11/02/2010	20110184,441	08/12/2011	8,332,866	08/10/2013	042120224	Row Guides, Inc.	VIDEO RECORDER HAVING USER EXTENDED AND AUTOMATICALLY EXTENDED TIME SLOTS
Row Guides, Inc.	US	12628,267	11/25/2003	20101004,088	07/01/2010	8,170,816	08/28/2013	042120223	Row Guides, Inc.	VIDEO RECORDER HAVING USER EXTENDED AND AUTOMATICALLY EXTENDED TIME SLOTS
Row Guides, Inc.	US	13438,237	04/13/2012	20120116,648	07/06/2012	8,046,461	12/16/2017	030802024	Row Guides, Inc.	VIDEO RECORDER HAVING USER EXTENDED AND AUTOMATICALLY EXTENDED TIME SLOTS
Row Guides, Inc.	US	10708,838	02/10/2004	20050102,898	05/12/2005	8,658,915	09/20/2013	041820227	Row Guides, Inc.	VIDEO RECORDER HAVING USER EXTENDED AND AUTOMATICALLY EXTENDED TIME SLOTS
Row Guides, Inc.	US	16877,241	09/20/2016						Row Guides, Inc.	REQUIRE SHARING SYSTEM OF SET-TOP BOXES
Row Guides, Inc.	US	13158,088	08/13/2011	20110232,850	08/28/2011	8,732,162	05/20/2014	070802025	Row Guides, Inc.	SEARCH ENGINE FOR A VIDEO RECORDER
Row Guides, Inc.	US	14242,268	04/03/2014	20140324,844	11/09/2014	8,412,720	11/08/2018	070802025	Row Guides, Inc.	SEARCH ENGINE FOR A VIDEO RECORDER
Row Guides, Inc.	US	14828,513	10/28/2018	20181006,854	02/16/2019	8,411,878	10/16/2019	070802025	Row Guides, Inc.	SEARCH ENGINE FOR A VIDEO RECORDER
Row Guides, Inc.	US	15274,380	06/23/2016	20170511,852	01/12/2017	8,406,937	12/26/2017	070802025	Row Guides, Inc.	SEARCH ENGINE FOR A VIDEO RECORDER
Row Guides, Inc.	US	15810,918	11/13/2017	20180118,810	05/10/2018	8,148,910	02/26/2019	070802025	Row Guides, Inc.	SEARCH ENGINE FOR A VIDEO RECORDER
Row Guides, Inc.	US	14810,578	11/13/2017	20180118,810	05/10/2018	8,148,910	02/26/2019	070802025	Row Guides, Inc.	SEARCH ENGINE FOR A VIDEO RECORDER
Row Guides, Inc.	US	15810,925	11/13/2017	20180118,810	05/10/2018	8,148,910	02/26/2019	070802025	Row Guides, Inc.	SEARCH ENGINE FOR A VIDEO RECORDER
Row Guides, Inc.	US	11885,311	07/02/2007	20080238,856	11/06/2008	8,388,433	08/26/2014	060720227	Row Guides, Inc.	SYSTEMS AND METHODS FOR RECORDING OVERLAPPING MEDIA CONTENT DURING SCHEDULING CONFLICTS
Row Guides, Inc.	US	14203,785	08/13/2014	20140284,843	11/02/2014	8,068,388	02/07/2017	071020227	Row Guides, Inc.	SYSTEMS AND METHODS FOR RECORDING OVERLAPPING MEDIA CONTENT DURING SCHEDULING CONFLICTS
Row Guides, Inc.	US	11881,873	06/07/2007			8,329,409	12/24/2013	081070228	Row Guides, Inc.	SYSTEMS AND METHODS FOR PROVIDING REMOTE PROGRAM ORDERING ON A USER DEVICE VIA A WEB SERVER
Row Guides, Inc.	US	11888,763	08/07/2007	20080804,038	03/12/2008	8,191,977	11/07/2018	110720228	Row Guides, Inc.	CROSS-PLATFORM MESSAGING
Row Guides, Inc.	US	12328,984	12/23/2011	20120119,715	06/21/2012	8,065,582	10/22/2018	081070228	Row Guides, Inc.	CROSS-PLATFORM MESSAGING
Row Guides, Inc.	US	14015,517	08/10/2013	20140858,824	02/27/2014	8,488,242	11/15/2018	111520228	Row Guides, Inc.	CROSS-PLATFORM MESSAGING
Row Guides, Inc.	US	15244,237	08/23/2016	20160820,274	12/28/2016	8,338,747	12/26/2017	081070228	Row Guides, Inc.	CROSS-PLATFORM MESSAGING
Row Guides, Inc.	US	11888,481	11/27/2007	20080113,388	05/21/2008	8,388,833	10/07/2014	081070228	Row Guides, Inc.	CROSS-PLATFORM MESSAGING
Row Guides, Inc.	US	14600,048	02/24/2015	20150201,240	07/18/2015	8,084,914	08/07/2018	051082028	Row Guides, Inc.	ENABLING A FRIEND TO REMOTELY MODIFY USER DATA
Row Guides, Inc.	US	11888,483	11/27/2007	20080113,390	05/21/2008	8,388,833	10/07/2014	051082028	Row Guides, Inc.	ENABLING A FRIEND TO REMOTELY MODIFY USER DATA
Row Guides, Inc.	US	14038,420	02/19/2016	20160213,165	06/12/2016				Row Guides, Inc.	MAINTAINING A USER PROFILE BASED ON DYNAMIC DATA
Row Guides, Inc.	US	12388,882	08/24/2010	20110118,866	06/20/2011	8,880,844	11/10/2017	111020227	Row Guides, Inc.	MAINTAINING A USER PROFILE BASED ON DYNAMIC DATA
Row Guides, Inc.	US	11885,443	12/18/2007	20080113,311	08/18/2008	8,031,102	07/12/2013	071220228	Row Guides, Inc.	SYSTEMS AND METHODS FOR AUTOMATICALLY PURCHASING AND RECORDING POPULAR PAY PROGRAMS IN AN INTERACTIVE MEDIA DELIVERY SYSTEM
Row Guides, Inc.	US	13212,284	12/08/2011	20120117,446	07/26/2012	8,061,868	12/18/2018	121820227	Row Guides, Inc.	METHODS AND SYSTEMS THAT "MOTIVATE" TUNING TO A TRANSMISSION CHANNEL FOR A TIME PERIOD
Row Guides, Inc.	US	11961,876	12/20/2007	20080116,648	06/29/2008	8,665,311	10/26/2017	102620227	Row Guides, Inc.	METHODS AND SYSTEMS THAT "MOTIVATE" TUNING TO A TRANSMISSION CHANNEL FOR A TIME PERIOD
Row Guides, Inc.	US	12843,103	11/10/2010	20101927,232	08/12/2011	8,071,322	08/29/2018	123120227	Row Guides, Inc.	METHODS AND DEVICES FOR PRESERVING AN INTERACTIVE MEDIA GUIDANCE APPLICATION
Row Guides, Inc.	US	14742,117	08/17/2015	20150238,857	11/08/2015	8,481,518	11/28/2016	123120227	Row Guides, Inc.	METHODS AND DEVICES FOR PRESERVING AN INTERACTIVE MEDIA GUIDANCE APPLICATION





Row Games, Inc.	US	Issued	14,027,146	1/21/2023	20140100034	041,020,4	8,486,888	11/26/2016	08/02/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR TRANSMITTING MEDIA ASSOCIATED WITH A MEASURE OF QUALITY BASED ON LEVEL OF GAME PLAY IN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	15,288,846	10/08/2018	20170127135	036,420,7	8,842,245	12/18/2017	05/31/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR TRANSMITTING MEDIA ASSOCIATED WITH A MEASURE OF QUALITY BASED ON LEVEL OF GAME PLAY IN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	15,837,451	11/20/2017	20150843454	022,220,8	9,862,243	06/25/2018	05/31/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR TRANSMITTING MEDIA ASSOCIATED WITH A MEASURE OF QUALITY BASED ON LEVEL OF GAME PLAY IN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	15,974,939	05/15/2018	20160282888	061,920,8	10,119,041	02/26/2019	05/31/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR TRANSMITTING MEDIA ASSOCIATED WITH A MEASURE OF QUALITY BASED ON LEVEL OF GAME PLAY IN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Pending	16,242,831	01/09/2018	20160215570	071,120,0				Row Games, Inc.	SYSTEMS AND METHODS FOR TRANSMITTING MEDIA ASSOCIATED WITH A MEASURE OF QUALITY BASED ON LEVEL OF GAME PLAY IN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	13,175,735	02/28/2011	2010026471	011,220,0	6,028,423	07/14/2014	06/28/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING VIDEO HITS FOR SEGMENTS WITHIN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	14,121,138	12/10/2013	20140100040	040,120,4	9,597,800	03/31/2017	12/28/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING VIDEO HITS FOR SEGMENTS WITHIN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	13,175,633	06/28/2011	2010020761	012,220,3	9,254,584	08/22/2016	05/24/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING VIDEO HITS FOR SEGMENTS WITHIN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	13,044,284	02/24/2012	20120317123	121,320,2	9,255,574	01/11/2016	01/16/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING VIDEO HITS FOR SEGMENTS WITHIN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	13,172,533	06/28/2011	2010020768	012,220,3	8,848,801	02/28/2016	01/27/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING VIDEO HITS FOR SEGMENTS WITHIN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	13,297,588	08/28/2014	2013007898	012,220,3	8,397,284	02/26/2018	08/28/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING VIDEO HITS FOR SEGMENTS WITHIN AN INTERACTIVE VIDEO GAMING ENVIRONMENT
Row Games, Inc.	US	Issued	13,240,274	12/28/2011	20101174200	070,420,9	8,986,530	02/24/2018	11/25/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING MULTIMEDIA ASSETS IN AN INTERACTIVE MEDIA GUIDANCE APPLICATION
Row Games, Inc.	US	Issued	13,233,536	12/28/2011	201011781816	070,420,9	8,584,449	10/26/2013	04/05/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR SYNCHRONIZING PLAYBACK AT MULTIPLE LOCATIONS
Row Games, Inc.	US	Issued	14,016,781	06/03/2013	20140007170	012,220,4	8,014,835	04/21/2018	02/12/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR SYNCHRONIZING PLAYBACK AT MULTIPLE LOCATIONS
Row Games, Inc.	US	Issued	13,241,441	12/30/2013	20130118913	070,420,9	8,817,371	12/30/2014	07/10/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING RELIANT SUPER EMMENTAL CONTENT TO A USER DEVICE
Row Games, Inc.	US	Pending	16,517,273	07/18/2018						Row Games, Inc.	SYSTEMS AND METHODS FOR PROVIDING RELIANT SUPER EMMENTAL CONTENT TO A USER DEVICE
Row Games, Inc.	US	Issued	13,293,578	12/28/2011	20101173513	070,420,9	8,802,819	12/02/2014	12/28/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR SHARING PROFILE INFORMATION USING USER PREFERENCE TAG CLOUDS
Row Games, Inc.	US	Issued	13,238,878	12/23/2011	20101054542	062,720,3	8,656,478	08/12/2014	12/23/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR SHARING PROFILE INFORMATION USING USER PREFERENCE TAG CLOUDS
Row Games, Inc.	US	Issued	14,216,488	08/28/2014	20140342758	112,020,4	8,125,168	08/07/2018	12/23/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR SHARING PROFILE INFORMATION USING USER PREFERENCE TAG CLOUDS
Row Games, Inc.	US	Issued	14,683,838	07/22/2015	20130039768	012,220,6	8,287,798	08/28/2018	12/23/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR SHARING PROFILE INFORMATION USING USER PREFERENCE TAG CLOUDS
Row Games, Inc.	US	Issued	13,241,546	12/30/2011	20101174233	070,420,9	9,008,584	04/14/2016	07/27/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR TEMPORARY ASSIGNMENT AND EXCHANGE OF DIGITAL ACCESS RIGHTS
Row Games, Inc.	US	Issued	13,241,506	12/30/2011	20101174273	070,420,9	8,170,087	08/08/2016	12/30/2031	Row Games, Inc.	SYSTEMS AND METHODS FOR TEMPORARY ASSIGNMENT AND EXCHANGE OF DIGITAL ACCESS RIGHTS
Row Games, Inc.	US	Issued	13,242,316	12/28/2011	20101058846	070,420,9	8,241,822	12/22/2016	07/12/2033	Row Games, Inc.	SYSTEMS AND METHODS FOR TRANSFERRING SETTINGS ACROSS DEVICES BASED ON USER GESTURES
Row Games, Inc.	US	Pending	16,718,872	10/23/2018	20180828888	022,820,8				Row Games, Inc.	SYSTEMS AND METHODS FOR AUTHENTICATION OF DIGITAL CONTENT
Row Games, Inc.	US	Issued	13,471,733	05/14/2012	20130333582	111,420,3	8,118,808	04/29/2014	05/14/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTHENTICATION OF DIGITAL CONTENT
Row Games, Inc.	US	Issued	14,213,484	03/14/2014	20140251780	071,720,4	8,161,720	11/17/2016	05/14/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTHENTICATION OF DIGITAL CONTENT
Row Games, Inc.	US	Issued	13,442,832	03/28/2012	20120283184	102,920,3	8,888,705	11/25/2014	03/28/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	14,619,718	10/27/2014	20130507060	025,520,6	8,518,436	12/26/2016	03/28/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,481,131	03/30/2012	20120283178	102,920,3	8,830,887	07/06/2016	06/03/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,426,130	03/30/2012	20130303119	103,920,3	8,861,104	10/15/2016	04/13/2033	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,628,144	06/28/2014	20130303881	026,220,6	8,085,824	07/21/2018	06/28/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	14,478,888	06/28/2014	20130303881	026,220,6	8,085,824	07/21/2018	06/28/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	14,474,230	06/17/2015	20130528016	108,920,5	8,232,271	01/05/2016	06/28/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,481,131	03/30/2012	20130303178	102,920,3	8,830,887	07/06/2016	06/03/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,426,130	03/30/2012	20130303119	103,920,3	8,861,104	10/15/2016	04/13/2033	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,555,093	06/27/2012	20140007146	070,220,4	8,669,374	03/26/2017	06/15/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	14,431,184	02/13/2017	20110277787	062,120,7	10,033,888	08/28/2018	06/27/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,537,664	06/28/2012	20140006443	010,220,4	8,882,223	03/24/2018	12/27/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,461,888	06/03/2012	20130332966	121,220,3	8,054,708	07/28/2018	06/03/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,482,623	06/18/2012	20130332966	121,220,3	8,054,708	07/28/2018	06/03/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,482,623	06/18/2012	20130332966	121,220,3	8,054,708	07/28/2018	06/03/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,588,411	06/20/2012	20140006805	032,020,4	8,008,684	06/03/2016	06/20/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	13,924,332	09/25/2012	20140058882	027,220,4	8,592,416	07/28/2016	11/03/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	14,716,632	05/18/2015	20130254333	091,020,8	8,238,100	03/28/2016	05/18/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	15,075,838	03/23/2015	20130254338	071,420,6	8,882,244	12/26/2017	03/23/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Issued	14,583,051	12/22/2017	20160238833	071,620,8	10,133,810	11/20/2018	09/25/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING A USER PROFILE BASED ON CUSTOMIZED DISPLAY ATTRIBUTES USER-GENERATED AND NONUSER-GENERATED CONTENT
Row Games, Inc.	US	Pending	16,182,072	11/06/2018	20180073417	030,720,9				Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC PROGRAM RECOMMENDATIONS BASED ON USER INTERACTIONS
Row Games, Inc.	US	Issued	13,801,232	09/31/2012	20140027088	030,920,0	8,881,840	08/08/2014	03/30/2033	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC PROGRAM RECOMMENDATIONS BASED ON USER INTERACTIONS
Row Games, Inc.	US	Issued	14,433,078	08/06/2014	20140207038	030,920,0	8,088,115	06/27/2017	08/06/2033	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC PROGRAM RECOMMENDATIONS BASED ON USER INTERACTIONS
Row Games, Inc.	US	Issued	13,831,785	09/28/2012	20140054151	040,320,4	8,755,795	05/13/2014	11/10/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC PROGRAM RECOMMENDATIONS BASED ON USER INTERACTIONS
Row Games, Inc.	US	Issued	13,822,887	09/18/2012	20140056263	032,020,4	10,667,462	10/22/2016	09/18/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC PROGRAM RECOMMENDATIONS BASED ON USER INTERACTIONS
Row Games, Inc.	US	Issued	13,835,782	09/28/2012	20140056263	042,220,4	8,758,170	08/25/2014	07/03/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC PROGRAM RECOMMENDATIONS BASED ON USER INTERACTIONS
Row Games, Inc.	US	Issued	14,213,828	09/23/2014	20130302016	071,520,3	8,171,197	10/27/2016	09/23/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC PROGRAM RECOMMENDATIONS BASED ON USER INTERACTIONS
Row Games, Inc.	US	Issued	13,881,105	11/30/2012	20140160146	062,520,4	8,602,806	03/21/2017	11/30/2032	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATIC PROGRAM RECOMMENDATIONS BASED ON USER INTERACTIONS

Row Games, Inc.	US	Issued	13,748,491	01/24/2013	20140207857	07/24/2014	8,253,242	02/22/2016	08/17/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR CONNECTING MEDIA DEVICES THROUGH WEB SOCKETS
Row Games, Inc.	US	Issued	3,687,407	11/28/2012	20140116089	05/29/2014	0,782,844	08/12/2017	12/29/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING CONTENT SIMULTANEOUSLY IN DIFFERENT FORMS BASED ON PARENTAL CONTROL SETTINGS
Row Games, Inc.	US	Issued	15,701,495	09/11/2017	20150910753	03/25/2018	10,200,734	02/25/2019	11/28/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING CONTENT SIMULTANEOUSLY IN DIFFERENT FORMS BASED ON PARENTAL CONTROL SETTINGS
Row Games, Inc.	US	Pending	10,213,926	12/07/2018	20160182827	08/13/2019			12/21/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING CONTENT SIMULTANEOUSLY IN DIFFERENT FORMS BASED ON PARENTAL CONTROL SETTINGS
Row Games, Inc.	US	Issued	3,072,468	12/21/2012	20140116813	09/26/2014	0,844,447	10/27/2014	12/21/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTOMATICALLY ADJUSTING AUDIO BASED ON GAME POINT
Row Games, Inc.	US	Issued	4,212,238	05/27/2013	20130319441	11/25/2015	0,394,424	07/29/2016	12/29/2012	Row Games, Inc.	METHODS AND SYSTEMS FOR CUSTOMIZING A PARENTAL MEDIA ASSET
Row Games, Inc.	US	Issued	13,723,382	12/27/2012	20140118185	06/26/2014	6,111,488	11/17/2015	05/16/2014	Row Games, Inc.	SYSTEMS AND METHODS FOR TRAINING GENERIC REQUESTERS INTO DEVICE SPECIFIC REQUESTERS BASED ON LOCATION INFORMATION
Row Games, Inc.	US	Issued	13,678,685	11/16/2012	20140118187	05/22/2014	6,430,081	08/26/2016	10/08/2012	Row Games, Inc.	METHODS AND SYSTEMS FOR VISUALLY IDENTIFYING OBJECTS APPEARING IN A MEDIA ASSET
Row Games, Inc.	US	Issued	3,076,837	12/05/2012	20140107286	08/25/2014	0,838,938	12/05/2014	12/05/2012	Row Games, Inc.	METHODS AND SYSTEMS FOR DISPLAYING CONTEXTUALLY RELEVANT INFORMATION FROM A PLURALITY OF USERS IN REAL-TIME REGARDING A MEDIA ASSET
Row Games, Inc.	US	Issued	14,487,420	08/12/2014	20140381637	11/27/2014	6,602,888	03/21/2017	12/05/2012	Row Games, Inc.	METHODS AND SYSTEMS FOR DISPLAYING CONTEXTUALLY RELEVANT INFORMATION FROM A PLURALITY OF USERS IN REAL-TIME REGARDING A MEDIA ASSET
Row Games, Inc.	US	Pending	19,971,345	09/11/2018	20160324497	11/08/2019				Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING CONTENT STORED IN THE VIEWER'S VIDEO LIBRARY
Row Games, Inc.	US	Issued	3,768,645	02/15/2013		06/13/2015	0,763,166	08/17/2014	02/15/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR IMPROVING A DEGREE OF SEPARATION GAME PLAY IN INTERACTIVE MEDIA APPLICATION
Row Games, Inc.	US	Issued	13,711,383	12/11/2012		06/25/2014	6,885,771	12/11/2013	12/11/2012	Row Games, Inc.	SYSTEMS AND METHODS FOR UPDATING THE DISPLAY OF REFERRED MEDIA ASSET SOURCES
Row Games, Inc.	US	Issued	10,746,282	02/21/2013	20140284841	09/11/2014	0,844,428	12/16/2017	07/28/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR AUTO-CONFIGURING A USER EQUIPMENT DEVICE WITH CONTENT CONSUMPTION MATERIAL
Row Games, Inc.	US	Pending	15,844,178	12/18/2017	20160170951	06/21/2018				Row Games, Inc.	SYSTEMS AND METHODS FOR AUTO-CONFIGURING A USER EQUIPMENT DEVICE WITH CONTENT CONSUMPTION MATERIAL
Row Games, Inc.	US	Issued	10,789,220	02/13/2013	20140281972	09/19/2014	0,943,702	05/26/2015	11/26/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR CREATING A SHARED PLAYLIST
Row Games, Inc.	US	Issued	3,748,344	02/13/2013	20140281973	09/19/2014	0,134,740	09/15/2015	02/13/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR RECTIFYING THE LENGTH OF MEDIA PLAYLISTS BASED ON TIME CRITERIA
Row Games, Inc.	US	Issued	13,778,862	02/27/2013	20140284544	06/23/2014	6,602,276	03/21/2017	04/02/2014	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING MEDIA ASSET INFORMATION FOR A GIVEN CELL USING ADJACENT CELLS
Row Games, Inc.	US	Issued	10,789,732	02/28/2013	20140282685	08/28/2014	0,831,924	02/14/2017	04/15/2014	Row Games, Inc.	SYSTEMS AND METHODS FOR DYNAMICALLY ADJUSTING VOLUME BASED ON MEDIA CONTENT
Row Games, Inc.	US	Issued	13,888,687	09/13/2013	20140337883	11/11/2014	0,006,132	06/23/2016	12/21/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR RECORDING CONTENT FROM A DIFFERENT SOURCE WHEN PREVIOUS CONTENT RUNS OVER
Row Games, Inc.	US	Issued	14,717,876	02/20/2013	20140319440	11/25/2015	6,615,127	04/24/2017	09/18/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR RECORDING CONTENT FROM A DIFFERENT SOURCE WHEN PREVIOUS CONTENT RUNS OVER
Row Games, Inc.	US	Issued	15,437,818	02/27/2017	20170104040	08/28/2017	0,850,823	10/24/2017	05/13/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR RECORDING CONTENT FROM A DIFFERENT SOURCE WHEN PREVIOUS CONTENT RUNS OVER
Row Games, Inc.	US	Issued	13,888,135	02/20/2013	20140344489	11/20/2014	0,604,788	06/22/2017	01/23/2013	Row Games, Inc.	BROWSER-BASED SYSTEMS AND METHODS FOR UPDATING MEDIA INFORMATION
Row Games, Inc.	US	Issued	13,888,830	09/17/2013	20140344489	11/20/2014	0,830,975	01/30/2015	07/24/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR COMPENSATING FOR DISABLED MEDIA ASSETS WHEN PRESENTING A MEDIA ASSET
Row Games, Inc.	US	Issued	14,650,464	12/24/2014	20150103689	04/16/2016	0,246,831	03/15/2016	05/17/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR COMPENSATING FOR DISABLED MEDIA ASSETS WHEN PRESENTING A MEDIA ASSET
Row Games, Inc.	US	Issued	13,800,385	02/28/2013	20140386448	12/24/2014	0,226,016	01/05/2016	10/08/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR COMPENSATING FOR DISABLED MEDIA ASSETS WHEN PRESENTING A MEDIA ASSET
Row Games, Inc.	US	Issued	13,828,738	09/27/2013	20150109334	07/16/2016	0,318,722	09/28/2016	09/28/2014	Row Games, Inc.	METHODS AND SYSTEMS FOR VISUALIZING STORAGE AVAILABILITY OF A USER
Row Games, Inc.	US	Issued	13,888,680	08/28/2013	20150109713	07/16/2016	0,386,161	07/18/2016	08/28/2014	Row Games, Inc.	METHODS AND SYSTEMS FOR GENERATING MEDIA ASSET REPRESENTATIONS BASED ON USER EMOTIONAL RESPONSES
Row Games, Inc.	US	Issued	14,222,686	07/17/2014	20150109718	03/25/2016	0,204,170	02/16/2016	07/17/2014	Row Games, Inc.	METHODS AND SYSTEMS FOR GENERATING AUTOMATIC REPAIRS IN A MEDIA ASSET
Row Games, Inc.	US	Issued	13,888,228	07/17/2013	20150109441	02/25/2016	0,882,644	08/21/2016	08/21/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR GENERATING MEDIA ASSETS BASED ON SCENT
Row Games, Inc.	US	Issued	13,961,145	02/07/2013	20150104882	02/12/2016	0,448,224	01/17/2017	10/30/2014	Row Games, Inc.	METHODS AND SYSTEMS FOR PRESENTING SOCIAL NETWORK COMMUNICATIONS IN A DIALOGUE FORM BASED ON USER ENGAGEMENT WITH A USER DEVICE
Row Games, Inc.	US	Issued	14,038,046	09/26/2013	20150103282	07/29/2016	0,280,131	08/14/2016	09/26/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR GENERATING SUPPLEMENTAL CONTENT IN MEDIA ASSETS
Row Games, Inc.	US	Issued	14,038,171	09/26/2013	20150103345	07/29/2016	1,021,487	04/22/2016	09/26/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR GENERATING ICONS ASSOCIATED WITH PROVIDING BRAIN STATE FEEDBACK
Row Games, Inc.	US	Issued	14,022,391	09/16/2013	20150105197	02/19/2016	1,018,871	07/19/2019	07/16/2013	Row Games, Inc.	METHODS AND SYSTEMS FOR PRESENTING DIRECTION-SPECIFIC MEDIA ASSETS
Row Games, Inc.	US	Pending	16,233,388	12/27/2018		05/22/2019				Row Games, Inc.	METHODS AND SYSTEMS FOR PRESENTING DIRECTION-SPECIFIC MEDIA ASSETS
Row Games, Inc.	US	Issued	14,075,708	11/04/2013	20150128168	05/07/2016	6,874,843	06/06/2017	11/04/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR RECOMMENDING CONTENT
Row Games, Inc.	US	Pending	15,000,412	05/28/2017	20170244931	08/14/2017				Row Games, Inc.	SYSTEMS AND METHODS FOR RECOMMENDING CONTENT
Row Games, Inc.	US	Issued	14,038,786	11/28/2013	20150104878	05/28/2016	0,882,223	02/13/2016	03/26/2014	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING SOCIAL NETWORK COMMUNICATIONS IN A DIALOGUE FORM BASED ON USER ENGAGEMENT WITH A USER DEVICE
Row Games, Inc.	US	Issued	15,884,128	02/19/2013	20150108775	05/28/2016	0,785,223	02/13/2016	11/28/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING SOCIAL NETWORK COMMUNICATIONS IN A DIALOGUE FORM BASED ON USER ENGAGEMENT WITH A USER DEVICE
Row Games, Inc.	US	Issued	14,584,281	11/19/2013	20150104248	05/21/2016	0,785,861	01/10/2017	11/19/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING SOCIAL NETWORK COMMUNICATIONS IN A DIALOGUE FORM BASED ON USER ENGAGEMENT WITH A USER DEVICE
Row Games, Inc.	US	Issued	15,277,555	10/02/2017	20160188106	07/12/2018	10,241,728	07/22/2018	11/19/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING SOCIAL NETWORK COMMUNICATIONS IN A DIALOGUE FORM BASED ON USER ENGAGEMENT WITH A USER DEVICE
Row Games, Inc.	US	Pending	16,473,715	08/22/2018						Row Games, Inc.	METHODS AND SYSTEMS FOR RECOMMENDING MEDIA CONTENT RELATED TO A RECENTLY COMPLETED ACTIVITY
Row Games, Inc.	US	Issued	14,108,548	12/13/2013	20150106975	06/15/2016	0,246,652	02/26/2016	08/13/2014	Row Games, Inc.	METHODS AND SYSTEMS FOR RECOMMENDING MEDIA CONTENT RELATED TO A RECENTLY COMPLETED ACTIVITY
Row Games, Inc.	US	Issued	14,141,604	12/27/2013	20150116889	07/22/2016	0,301,105	06/07/2016	04/28/2014	Row Games, Inc.	SYSTEMS AND METHODS FOR GENERATING MEDIA RECOMMENDATIONS FROM MULTIPLE RECOMMENDATION ENGINES
Row Games, Inc.	US	Issued	14,080,600	11/26/2013	20150104443	05/28/2016	0,381,182	07/16/2016	09/29/2014	Row Games, Inc.	METHODS AND SYSTEMS FOR SETTING MOODS BASED ON THE LEVEL OF ENGAGEMENT OF A USER
Row Games, Inc.	US	Issued	14,137,747	12/20/2013	20150108138	06/28/2016	0,284,186	03/22/2016	12/20/2013	Row Games, Inc.	SYSTEMS AND METHODS FOR ASSOCIATING TAGS WITH MEDIA ASSETS BASED ON VERBAL INPUT
Row Games, Inc.	US	Issued	14,088,883	12/20/2013	20150108388	08/17/2016	0,215,810	12/15/2016	07/20/2014	Row Games, Inc.	SYSTEMS AND METHODS FOR PRESENTING USER VIEWING PREFERENCES BASED ON DETECTED EVENTS
Row Games, Inc.	US	Issued	14,142,548	12/27/2013	20150116884	07/22/2016	0,483,116	11/07/2016	09/28/2014	Row Games, Inc.	METHODS AND SYSTEMS FOR SETTING MEDIA GUIDANCE FUNCTIONS BASED ON TACTILE ATTRIBUTES OF A USER INPUT
Row Games, Inc.	US	Issued	15,285,781	02/10/2016	20170284472	02/26/2017	10,286,080	05/21/2018	05/21/2016	Row Games, Inc.	METHODS AND SYSTEMS FOR SETTING MEDIA GUIDANCE FUNCTIONS BASED ON TACTILE ATTRIBUTES OF A USER INPUT
Row Games, Inc.	US	Pending	16,383,337	04/10/2018	20180328283	10/23/2019				Row Games, Inc.	METHODS AND SYSTEMS FOR SETTING MEDIA GUIDANCE FUNCTIONS BASED ON TACTILE ATTRIBUTES OF A USER INPUT
Row Games, Inc.	US	Issued	14,180,235	02/26/2014	20150245161	08/27/2016	0,481,365	03/07/2017	08/26/2014	Row Games, Inc.	METHODS AND SYSTEMS FOR SUPPLEMENTING MEDIA ASSETS DURING FAST-FORWARD PLAYBACK OPERATIONS

Row Games, Inc.	US	Issued	1548.6.032	01/28/2017	201701234814	05/11/2017	10110.961	10/23/2018	02/28/2024	Row Games, Inc.	METHODS AND SYSTEMS FOR SUPPLEMENTING MEDIA ASSETS DURING FAST-FORWARD OPERATIONS
Row Games, Inc.	US	Pending	60134.713	09/18/2018	201802028924	07/17/2019				Row Games, Inc.	METHODS AND SYSTEMS FOR SUPPLEMENTING MEDIA ASSETS DURING FAST-FORWARD OPERATIONS
Row Games, Inc.	US	Issued	141.92.697	02/27/2014	20150242851	05/27/2015	9.916.033	05/22/2018	06/03/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR DETERMINING A DYNAMIC ADVERTISEMENT SCHEDULE FOR A PLAYLIST SESSION
Row Games, Inc.	US	Issued	141.92.709	02/27/2014	20150242858	05/27/2015	10.022.477	07/24/2018	06/03/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR MODIFYING A PLAYLIST OF MEDIA ASSETS BASED ON USER INTERACTIONS WITH A PLAYLIST MENU
Row Games, Inc.	US	Pending	14011.441	09/18/2018	20180301147	10/18/2019				Row Games, Inc.	SYSTEMS AND METHODS FOR MODIFYING A PLAYLIST OF MEDIA ASSETS BASED ON USER INTERACTIONS WITH A PLAYLIST MENU
Row Games, Inc.	US	Issued	141.92.038	02/28/2014	20150244491	05/27/2015	6.264.656	02/16/2018	05/23/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR MANAGING STORAGE SPACE
Row Games, Inc.	US	Issued	141.92.038	02/28/2014	20150244505	05/27/2015	9.913.333	02/16/2018	05/23/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR SORTING MEDIA ASSETS BASED ON PLAYBACK INFORMATION
Row Games, Inc.	US	Issued	144.03.338	01/08/2017	20170103556	05/06/2017	10.021.181	03/04/2018	02/28/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR SORTING MEDIA ASSETS BASED ON PLAYBACK INFORMATION
Row Games, Inc.	US	Issued	141.92.515	02/28/2014	20150245995	05/27/2015	6.566.413	01/31/2017	05/23/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR SORTING MEDIA ASSETS BASED ON PLAYBACK INFORMATION
Row Games, Inc.	US	Issued	141.92.595	02/28/2014	20150245995	05/27/2015	6.566.413	01/31/2017	05/23/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR SORTING MEDIA ASSETS BASED ON PLAYBACK INFORMATION
Row Games, Inc.	US	Issued	15234.455	12/29/2016	2017011617	05/15/2017	10.025.633	05/26/2018	02/28/2024	Row Games, Inc.	SYSTEMS AND METHODS FOR SORTING MEDIA ASSETS BASED ON PLAYBACK INFORMATION
Row Games, Inc.	US	Issued	10011.172	06/28/2018	20180302013	12/27/2019				Row Games, Inc.	SYSTEMS AND METHODS FOR NOTIFYING A USER WHEN ACTIVITY EXCEEDS AN AUTHORIZATION LEVEL
Row Games, Inc.	US	Pending	141.92.315	09/11/2018	201802058647	07/24/2019				Row Games, Inc.	SYSTEMS AND METHODS FOR NOTIFYING A USER WHEN ACTIVITY EXCEEDS AN AUTHORIZATION LEVEL
Row Games, Inc.	US	Issued	141.94.238	02/28/2014	20150244884	05/23/2015	6.380.342	04/08/2016	02/15/2023	Row Games, Inc.	METHODS AND SYSTEMS FOR ENVOYING BEHAVIOR WHILE OCCUPYING VEHICLES
Row Games, Inc.	US	Issued	13008.846	01/14/2011	20101013038	05/27/2011	8.135.337	03/01/2015	07/09/2023	Row Games, Inc.	SYSTEMS AND METHODS FOR CONTROL OF MEDIA ACCESS BASED ON ORIGIN-SOURCED ACCESS CONTROL DATA AND USER ATTRIBUTES
Row Games, Inc.	US	Issued	14833.710	05/28/2015	201502031533	02/25/2016	10.277.432	04/20/2018	06/14/2023	Row Games, Inc.	METHOD AND SYSTEM FOR PERFORMING SEARCHES FOR TELEVISION CONTENT USING REDUCED TEXT INPUT
Row Games, Inc.	US	Pending	10381.498	04/28/2019	20190203192	05/15/2019				Row Games, Inc.	METHOD AND SYSTEM FOR PERFORMING SEARCHES FOR TELEVISION CONTENT USING REDUCED TEXT INPUT
Row Games, Inc.	US	Issued	11244.432	10/07/2015	20150205563	07/04/2017	6.122.024	02/21/2017	11/05/2023	Row Games, Inc.	METHOD AND SYSTEM FOR PERFORMING SEARCHES FOR TELEVISION CONTENT USING REDUCED TEXT INPUT
Row Games, Inc.	US	Issued	13385.894	02/17/2012	201202038630	11/28/2012	8.031.382	05/12/2018	10/07/2023	Row Games, Inc.	METHOD AND SYSTEM FOR INCREMENTAL SEARCH WITH REDUCED TEXT ENTRY WHERE THE RELEASE OF RESULTS IS DYNAMICALLY COMPUTED FUNCTION OF USER INPUT SEARCH STRING CHARACTER
Row Games, Inc.	US	Pending	14833.372	04/13/2015	201502031913	05/24/2015				Row Games, Inc.	METHOD AND SYSTEM FOR INCREMENTAL SEARCH WITH REDUCED TEXT ENTRY WHERE THE RELEASE OF RESULTS IS DYNAMICALLY COMPUTED FUNCTION OF USER INPUT SEARCH STRING CHARACTER
Row Games, Inc.	US	Issued	11313.685	12/29/2016	20170503337	03/01/2017	7.716.911	08/17/2019	07/08/2023	Row Games, Inc.	METHOD AND SYSTEM FOR INCREMENTAL SEARCH WITH REDUCED TEXT ENTRY WHERE THE RELEASE OF RESULTS IS DYNAMICALLY COMPUTED FUNCTION OF USER INPUT SEARCH STRING CHARACTER
Row Games, Inc.	US	Issued	12844.432	05/02/2010	201002048938	11/25/2010	7.401.344	03/03/2011	12/20/2023	Row Games, Inc.	METHOD AND SYSTEM FOR DYNAMICALLY PROCESSING AMBIGUOUS, REDUCED TEXT SEARCH QUERIES AND HIGHLIGHTING RESULTS THEREOF
Row Games, Inc.	US	Pending	13575.916	05/08/2017	201703018880	07/17/2019				Row Games, Inc.	METHOD AND SYSTEM FOR DYNAMICALLY PROCESSING AMBIGUOUS, REDUCED TEXT SEARCH QUERIES AND HIGHLIGHTING RESULTS THEREOF
Row Games, Inc.	US	Issued	11459.838	02/28/2008	20070301754	03/15/2007	7.737.889	06/15/2010	08/14/2023	Row Games, Inc.	METHOD AND SYSTEM FOR DYNAMICALLY PROCESSING AMBIGUOUS, REDUCED TEXT SEARCH QUERIES AND HIGHLIGHTING RESULTS THEREOF
Row Games, Inc.	US	Issued	11233.838	05/27/2015	201502031931	03/15/2017	7.782.288	08/31/2019	07/23/2023	Row Games, Inc.	USER INTERFACE FOR VISUAL COOPERATION BETWEEN TEXT INPUT AND MEDIA DEVICE
Row Games, Inc.	US	Issued	12868.661	05/27/2015	201502031936	12/23/2016	6.433.666	04/20/2018	10/22/2023	Row Games, Inc.	METHOD AND SYSTEM FOR PROCESSING AMBIGUOUS, MULTITERM SEARCH QUERIES
Row Games, Inc.	US	Issued	13854.690	04/07/2013	20130204148	05/26/2013	8.117.081	11/02/2015	05/27/2023	Row Games, Inc.	METHOD AND SYSTEM FOR PROCESSING AMBIGUOUS, MULTITERM SEARCH QUERIES
Row Games, Inc.	US	Pending	14432.430	09/05/2019						Row Games, Inc.	METHOD AND SYSTEM FOR PROCESSING AMBIGUOUS, MULTITERM SEARCH QUERIES
Row Games, Inc.	US	Issued	11561.187	11/17/2006	20070130178	05/07/2007	7.644.624	01/05/2010	12/20/2023	Row Games, Inc.	METHOD AND SYSTEM FOR PROCESSING AMBIGUOUS, MULTITERM SEARCH QUERIES
Row Games, Inc.	US	Issued	12642.173	12/18/2010	201010133810	06/17/2010	8.310.244	02/05/2013	12/20/2023	Row Games, Inc.	SYSTEM AND METHOD FOR FINDING DESIRED RESULTS BY INCREMENTAL SEARCH USING AN AMBIGUOUS KEYPAD WITH THE INPUT CONTAINING ORTHOGRAPHIC AND TYPOGRAPHIC ERRORS
Row Games, Inc.	US	Issued	13785.736	02/08/2013	20130212087	05/15/2013	6.588.244	11/16/2013	11/17/2023	Row Games, Inc.	SYSTEM AND METHOD FOR FINDING DESIRED RESULTS BY INCREMENTAL SEARCH USING AN AMBIGUOUS KEYPAD WITH THE INPUT CONTAINING ORTHOGRAPHIC AND TYPOGRAPHIC ERRORS
Row Games, Inc.	US	Issued	26242.166	11/18/2015	201502031912	05/15/2017	6.949.714	05/28/2017	05/28/2021	Row Games, Inc.	SYSTEM AND METHOD FOR FINDING DESIRED RESULTS BY INCREMENTAL SEARCH USING AN AMBIGUOUS KEYPAD WITH THE INPUT CONTAINING ORTHOGRAPHIC AND TYPOGRAPHIC ERRORS
Row Games, Inc.	US	Issued	26242.820	11/18/2015	201502031912	05/15/2017	6.949.714	05/28/2017	05/28/2021	Row Games, Inc.	SYSTEM AND METHOD FOR FINDING DESIRED RESULTS BY INCREMENTAL SEARCH USING AN AMBIGUOUS KEYPAD WITH THE INPUT CONTAINING ORTHOGRAPHIC AND TYPOGRAPHIC ERRORS
Row Games, Inc.	US	Issued	11485.663	03/06/2007	200702171255	11/22/2007	7.774.244	08/10/2010	05/20/2023	Row Games, Inc.	TELEVISION REMOTE CONTROL DEVICE
Row Games, Inc.	US	Issued	12842.377	07/26/2010	201002031900	11/19/2010	7.546.627	05/24/2011	03/08/2027	Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT BASED ON LEARNED PERIODICITY OF USER CONTENT SELECTION
Row Games, Inc.	US	Issued	13033.162	02/25/2011	20110154564	05/23/2011	6.583.566	03/08/2017	03/08/2027	Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT BASED ON LEARNED PERIODICITY OF USER CONTENT SELECTION
Row Games, Inc.	US	Pending	14018.791	11/13/2018	20180146688	05/16/2019				Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT BASED ON LEARNED PERIODICITY OF USER CONTENT SELECTION
Row Games, Inc.	US	Issued	11083.348	03/08/2007	20070219713	11/29/2007	7.835.688	11/16/2010	03/24/2023	Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT BASED ON USER CONTENT INTERACTION
Row Games, Inc.	US	Issued	12882.451	09/15/2010	20110204872	07/06/2011	7.835.624	03/05/2011	03/08/2027	Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT BASED ON USER CONTENT INTERACTION
Row Games, Inc.	US	Issued	13021.086	02/04/2011	20110131161	05/02/2011	6.543.516	02/24/2013	12/14/2027	Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT ON A FIRST SYSTEM BASED ON USER PREFERENCES LEARNED ON A SECOND SYSTEM
Row Games, Inc.	US	Issued	13985.288	05/05/2013	20130305543	12/05/2013	6.525.578	05/20/2014	03/08/2027	Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT ON A FIRST SYSTEM BASED ON USER PREFERENCES LEARNED ON A SECOND SYSTEM
Row Games, Inc.	US	Issued	14473.441	05/28/2014	20150148443	05/20/2015				Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT ON A FIRST SYSTEM BASED ON USER PREFERENCES LEARNED ON A SECOND SYSTEM
Row Games, Inc.	US	Pending	14473.441	01/13/2019	20190103837	05/20/2019				Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT ON A FIRST SYSTEM BASED ON USER PREFERENCES LEARNED ON A SECOND SYSTEM
Row Games, Inc.	US	Pending	14242.335	07/15/2018	20180146680	05/16/2019				Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT ON A FIRST SYSTEM BASED ON USER PREFERENCES LEARNED ON A SECOND SYSTEM
Row Games, Inc.	US	Issued	11775.101	04/20/2007	20070208466	12/13/2007	7.461.061	12/02/2008	04/20/2027	Row Games, Inc.	METHODS AND SYSTEMS FOR SELECTING AND PRESENTING CONTENT ON A FIRST SYSTEM BASED ON USER PREFERENCES LEARNED ON A SECOND SYSTEM
Row Games, Inc.	US	Issued	12024.485	12/02/2008	2009017446	03/01/2009	7.888.906	03/01/2011	03/01/2027	Row Games, Inc.	SYSTEM AND METHOD FOR PERSONALIZED NAVIGATION AND DISCOVERY OF INFORMATION ON INPUT AND DISPLAY CONSTRAINTS DEVICES
Row Games, Inc.	US	Issued	13024.034	02/24/2011	20110144233	02/16/2011	8.030.002	12/27/2013	04/20/2027	Row Games, Inc.	SYSTEM AND METHOD FOR PERSONALIZED NAVIGATION AND DISCOVERY OF INFORMATION ON INPUT AND DISPLAY CONSTRAINTS DEVICES
Row Games, Inc.	US	Issued	13033.660	12/23/2011	20120305685	04/19/2012	8.313.589	02/15/2013	04/20/2027	Row Games, Inc.	SYSTEM AND METHOD FOR PERSONALIZED NAVIGATION AND DISCOVERY OF INFORMATION ON INPUT AND DISPLAY CONSTRAINTS DEVICES
Row Games, Inc.	US	Issued	13474.620	05/24/2012	201202031164	05/13/2012	6.423.843	04/16/2013	04/20/2027	Row Games, Inc.	SYSTEM AND METHOD FOR PERSONALIZED NAVIGATION AND DISCOVERY OF INFORMATION ON INPUT AND DISPLAY CONSTRAINTS DEVICES
Row Games, Inc.	US	Issued	13765.335	02/12/2013	20130105929	05/13/2013	6.685.746	04/01/2015	04/20/2027	Row Games, Inc.	SYSTEM AND METHOD FOR PERSONALIZED NAVIGATION AND DISCOVERY OF INFORMATION ON INPUT AND DISPLAY CONSTRAINTS DEVICES
Row Games, Inc.	US	Issued	14175.188	02/07/2014	20140106680	05/20/2014	6.097.198	07/21/2015	04/20/2027	Row Games, Inc.	SYSTEM AND METHOD FOR PERSONALIZED NAVIGATION AND DISCOVERY OF INFORMATION ON INPUT AND DISPLAY CONSTRAINTS DEVICES
Row Games, Inc.	US	Issued	14793.074	07/07/2015	20150303487	11/12/2015	10.146.848	12/24/2018	04/20/2027	Row Games, Inc.	SYSTEM AND METHOD FOR PERSONALIZED NAVIGATION AND DISCOVERY OF INFORMATION ON INPUT AND DISPLAY CONSTRAINTS DEVICES



