

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5595896

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MACHINE ZONE, INC.	03/20/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	MZ IP HOLDINGS, LLC	
<b>Street Address:</b>	2225 EAST BAYSHORE ROAD	
<b>Internal Address:</b>	SUITE 200	
<b>City:</b>	PALO ALTO	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	94303-3220	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16394366
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(617)523-1231	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	(617) 570-1000	
<b>Email:</b>	patentbos@goodwinlaw.com, tayube@goodwinlaw.com	
<b>Correspondent Name:</b>	GOODWIN PROCTER LLP	
<b>Address Line 1:</b>	100 NORTHERN AVENUE	
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210	
<b>NAME OF SUBMITTER:</b>	JEFFREY R. RUMMLER	
<b>SIGNATURE:</b>	/Jeffrey R. Rummler/	
<b>DATE SIGNED:</b>	06/28/2019	
<b>Total Attachments: 13</b>		
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## **CORPORATE ASSIGNMENT**

**MACHINE ZONE, INC.**, a corporation duly organized under and pursuant to the laws of **DELAWARE** and having its principal place of business at **2225 EAST BAYSHORE ROAD, SUITE 200, PALO ALTO, CALIFORNIA 94303-3220** (hereafter referred to as the “Assignor”), is the owner by respective assignment of the Issued Patents and Pending Patent Applications set forth in **SCHEDULE A**, attached hereto (hereafter referred to as the “Patents and Applications”).

**MZ IP HOLDINGS, LLC**, a corporation duly organized under and pursuant to the laws of **CALIFORNIA** and having its principal place of business at **2225 EAST BAYSHORE ROAD, SUITE 200, PALO ALTO, CALIFORNIA 94303-3220** (hereafter referred to as the “Assignee”), desires to acquire the entire right, title, and interest in and to the Patents and Applications free and clear.

THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor hereby sells, assigns, transfers, and sets over to the Assignee, its successors, legal representatives and assigns the entire right, title and interest in and to the Patents and Applications and all inventions described and claimed therein, the right to file any and all classes and types of applications on the inventions (including utility patents, design patents, inventor’s certificates, utility models, and similar rights) for Letters Patent of the United States or other countries, and the entire right, title and interest in and to any and all classes and types of applications for Letters Patent of the United States or other countries claiming priority to the Patents and Applications, including divisionals, continuations, and continuations-in-part of the Patents and Applications, and reissues, renewals, revisions, substitutions, extensions, and all results of oppositions, reexaminations, supplemental examinations and other review procedures (including ex parte reexaminations, inter partes review, post grant review, and covered business method review) of the Patents or Letters Patents, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which the Patents and Applications have been granted, and for which Letters Patent or Patents may be granted, as fully

and entirely as the same would have been held and enjoyed by the Assignor had the present sale and assignment not been made.

By its undersigned representative, the Assignor agrees:

- a. to execute all papers necessary in connection with the Patents and Applications and any divisionals, continuations, and continuations-in-part of the Patents and Applications, and reissues, renewals, revisions, substitutions, extensions, and all results of oppositions, reexaminations, supplemental examinations and other review procedures (including ex parte reexaminations, inter partes review, post grant review, and covered business method review) of the Patents and Applications in any country, and also to execute separate assignments in connection with such application as the Assignee may deem necessary or expedient;
- b. to execute all papers necessary in connection with any derivation or interference that may be declared concerning the Patents and Applications or any divisionals, continuations, and continuations-in-part of the Patents and Applications, and reissues, renewals, revisions, substitutions, extensions, and all results of oppositions, reexaminations, supplemental examinations and other review procedures (including ex parte reexaminations, inter partes review, post grant review, and covered business method review) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such derivation or interference; and
- c. to perform all affirmative acts and take all lawful oaths that may be necessary or required to obtain a grant of a valid patent to the Assignee on the Patents and Applications and on any divisionals, continuations, and continuations-in-part of the Patents and Applications, and reissues, renewals, revisions, substitutions, extensions, and all results of oppositions, reexaminations, supplemental examinations and other review procedures (including ex parte reexaminations, inter partes review, post grant review, and covered business method review) of the Patents and Applications in any country, and for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for the inventions described and claimed therein, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby covenants that, at the time of execution and delivery of the present assignment, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in the Patents and Applications identified above, and has the full and complete right, title, and interest to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith.

The undersigned has reviewed the documents in the Patents and Applications identified above, and, to the best of undersigned's knowledge and belief, title is in the Assignor identified above.

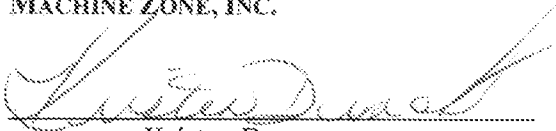
The undersigned is empowered to sign this assignment on behalf of the Assignor.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the Patents and Applications, corresponding applications or any patents issuing thereon.

IN WITNESS WHEREOF, executed by the Assignor's undersigned representative on the date following the undersigned's name.

**MACHINE ZONE, INC.**

By:

  
Kristen Dumont


Title: Chief Operating Officer

Date: March 20, 2018

ACCEPTED:

**MZ IP HOLDINGS, LLC**

By:

  
Victoria Valenzuela

Title: Secretary

Date: March 20, 2018

## ASSIGNMENT SCHEDULE A

PATENT OR APPL. NO.	MZ REFERENCE NO.	COUNTRY	FILING DATE	STATUS	TITLE	INVENTORS
13/330,357	MZ11002	US	12/19/2011	Abandoned	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
662/2014	MZ11002AE	AE	12/19/2012	Abandoned	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
2012358964	MZ11002AU	AU	12/19/2012	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
2016204020	MZ11002AUD1	AU	12/19/2012	Allowed	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
2016206331	MZ11002AUD2	AU	12/19/2012	Allowed	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
2016253602	MZ11002AUD3	AU	11/2/2016	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
BR11201401521 95	MZ11002BR	BR	12/19/2012	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
8,909,513	MZ11002C1	US	4/2/2014	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
9,075,794	MZ11002C2	US	12/8/2014	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
9,244,907	MZ11002C3	US	6/8/2015	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
14/976,925	MZ11002C4	US	12/21/2015	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
2,859,811	MZ11002CA	CA	12/19/2012	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
201280068550.6	MZ11002CN	CN	12/19/2012	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
12858827.4	MZ11002EP	EPO	12/19/2012	Allowed	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
18000201.6	MZ11002EPD1	EPO	3/1/2018	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
15103701.7	MZ11002HK	HK	12/19/2012	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon

<b>PATENT OR APPL. NO.</b>	<b>MZ REFERENCE NO.</b>	<b>COUNTRY</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>TITLE</b>	<b>INVENTORS</b>
5251/DELNP/20 14	MZ11002IN	IN	12/19/2012	Abandoned	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
6254534	MZ11002JP	JP	12/19/2012	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
10-2014- 7020236	MZ11002KR	KR	12/19/2012	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
MX/A/2014/007 479	MZ11002MX	MX	12/19/2012	Abandoned	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
PI2014001804	MZ11002MY	MY	12/19/2012	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
PI2018000076	MZ11002MYD1	MY	1/19/2018	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
627285	MZ11002NZ	NZ	12/19/2012	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
713912	MZ11002NZD1	NZ	12/19/2012	Allowed	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
713913	MZ11002NZD2	NZ	12/19/2012	Allowed	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
717653	MZ11002NZD3	NZ	12/19/2012	Allowed	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
2014129554	MZ11002RU	RU	12/19/2012	Abandoned	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
11201403373X	MZ11002SG	SG	12/19/2012	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
10201707573W	MZ11002SG2	SG	9/15/2017	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
201408164	MZ11002UA	UA	12/19/2012	Abandoned	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
PCT/US2012/07 0677	MZ11002WO	PCT	12/19/2012	Expired	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
PA161052/ZA	MZ11002ZA	ZA	12/19/2012	Abandoned	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon
9,600,473	MZ13001	US	2/8/2013	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur

<b>PATENT OR APPL. NO.</b>	<b>MZ REFERENCE NO.</b>	<b>COUNTRY</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>TITLE</b>	<b>INVENTORS</b>
994/2015	MZ13001AE	AE	2/10/2014	Abandoned	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
2014214652	MZ13001AU	AU	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
2014275087	MZ13001AU2	AU	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
2017221809	MZ13001AU3	AU	8/30/2017	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
BR11201501916 22	MZ13001BR	BR	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
BR11201503040 28	MZ13001BR2	BR	6/3/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
9,031,828	MZ13001C1	US	3/18/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
15/433,513	MZ13001C2	US	2/15/2017	Allowed	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
15/804,519	MZ13001C3	US	11/6/2017	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
2,900,639	MZ13001CA	CA	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
2,913,984	MZ13001CA2	CA	6/3/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
9,298,703	MZ13001CIP1	US	6/3/2013	Granted	Systems and Methods for Incentivizing User Feedback for Translation Processing	Gabriel Leydon Francois Orsini Nikhil Bojja
9,348,818	MZ13001CIP1C1	US	3/20/2014	Granted	Systems and Methods for Incentivizing User Feedback for Translation Processing	Gabriel Leydon Francois Orsini Nikhil Bojja
9,665,571	MZ13001CIP1C2	US	3/21/2016	Granted	Systems and Methods for Incentivizing User Feedback for Translation Processing	Gabriel Leydon Francois Orsini Nikhil Bojja
15/586,779	MZ13001CIP1C3	US	5/4/2017	Pending	Systems and Methods for Incentivizing User Feedback for Translation Processing	Gabriel Leydon Francois Orsini Nikhil Bojja
61/778,282	MZ13001CIP1PR	US	3/12/2013	Expired	Group Chat Translation Systems and Methods	Gabriel Leydon Nikhil Bojja Shailen Karur Francois Orsini



<b>PATENT OR APPL. NO.</b>	<b>MZ REFERENCE NO.</b>	<b>COUNTRY</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>TITLE</b>	<b>INVENTORS</b>
8,996,352	MZ13001CIP2	US	6/3/2014	Granted	Systems and Methods for Correcting Translations in Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja Arun Nedunchezian
9,245,278	MZ13001CIP2C1	US	3/27/2015	Granted	Systems and Methods for Correcting Translations in Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja Arun Nedunchezian
9,336,206	MZ13001CIP2C2	US	1/21/2016	Granted	Systems and Methods for Correcting Translations in Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja Arun Nedunchezian
9,448,996	MZ13001CIP2C3	US	4/14/2016	Granted	Systems and Methods for Correcting Translations in Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja Arun Nedunchezian
15/267,595	MZ13001CIP2C4	US	9/16/2016	Pending	Systems and Methods for Correcting Translations in Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja
9,031,829	MZ13001CIP3	US	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja
9,881,007	MZ13001CIP3C1	US	4/6/2015	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja
15/857,968	MZ13001CIP3C2	US	12/29/2017	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja
8,990,068	MZ13001CIP4	US	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja
8,996,353	MZ13001CIP5	US	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja
8,996,355	MZ13001CIP6	US	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja
9,231,898	MZ13001CIP7	US	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja Bartlomiej Puzon
14/985,946	MZ13001CIP7C1	US	12/31/2015	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Francois Orsini Nikhil Bojja Bartlomiej Puzon
201480019351.5	MZ13001CN	CN	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
201480041034.3	MZ13001CN2	CN	6/3/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
14749409.0	MZ13001EP	EPO	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
14735028.4	MZ13001EP2	EPO	6/3/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur

<b>PATENT OR APPL. NO.</b>	<b>MZ REFERENCE NO.</b>	<b>COUNTRY</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>TITLE</b>	<b>INVENTORS</b>
15112801.7	MZ13001HK	HK	12/29/2015	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
16104599.9	MZ13001HK2	HK	6/3/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
240424	MZ13001IL	IL	2/10/2014	Abandoned	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
8087/DELNP/20 15	MZ13001IN	IN	2/10/2014	Abandoned	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
6224735	MZ13001JP	JP	8/7/2015	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
6276399	MZ13001JP2	JP	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
2017-230299	MZ13001JP3	JP	11/30/2017	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
10-2015-70245 32	MZ13001KR	KR	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
10-1743686	MZ13001KR2	KR	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
10-2017- 7014779	MZ13001KR3	KR	5/30/2017	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
711607	MZ13001NZ	NZ	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
714571	MZ13001NZ2	NZ	6/3/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
719940	MZ13001NZ2D1	NZ	6/3/2014	Granted	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
725675	MZ13001NZ2D2	NZ	10/27/2016	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
738407	MZ13001NZ2D3	NZ	12/14/2017	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
2015138140	MZ13001RU	RU	2/10/2014	Abandoned	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur

<b>PATENT OR APPL. NO.</b>	<b>MZ REFERENCE NO.</b>	<b>COUNTRY</b>	<b>FILING DATE</b>	<b>STATUS</b>	<b>TITLE</b>	<b>INVENTORS</b>
2015156890	MZ13001RU2	RU	6/3/2014	Abandoned	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
11201506209X	MZ13001SG	SG	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
11201509840Y	MZ13001SG2	SG	2/10/2014	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
10201700886V	MZ13001SG2D1	SG	2/3/2017	Pending	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
1501004480	MZ13001TH	TH	2/10/2014	Abandoned	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
a201508661	MZ13001UA	UA	2/10/2014	Abandoned	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
PCT/US2014/01 5632	MZ13001WO	PCT	2/10/2014	Expired	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
PCT/US2014/04 0676	MZ13001WO2	PCT	6/3/2014	Expired	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
2015/06615	MZ13001ZA	ZA	2/10/2014	Abandoned	Systems and Methods for Multi-User Multi-Lingual Communications	Gabriel Leydon Francois Orsini Nikhil Bojja Shailen Karur
9,043,196	MZ14001	US	7/7/2014	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
2014400645	MZ14001AU	AU	1/3/2017	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
9,372,608	MZ14001C1	US	5/21/2015	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
9,690,767	MZ14001C2	US	6/6/2016	Granted	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
15/612,162	MZ14001C3	US	6/2/2017	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
2954330	MZ14001CA	CA	1/5/2017	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
201480081730.7	MZ14001CN	CN	3/6/2017	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
14748336.6	MZ14001EP	EPO	1/3/2017	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja

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2017-501006	MZ14001JP	JP	1/6/2017	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
10-2017-7003290	MZ14001KR	KR	2/6/2017	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
PCT/US2014/045580	MZ14001WO	PCT	7/7/2014	Pending	Systems and Methods for Identifying and Suggesting Emoticons	Gabriel Leydon Nikhil Bojja
9,372,848	MZ14002	US	10/17/2014	Granted	Systems and Methods for Language Detection	Nikhil Bojja Pidong Wang Fredrik Linder Bartlomiej Puzon
2104409115	MZ14002AU	AU	4/7/2017	Pending	System and Method for Language Detection	Nikhil Bojja Pidong Wang Fredrik Linder Bartlomiej Puzon
9,535,896	MZ14002C1	US	5/23/2016	Granted	Systems and Methods for Language Detection	Nikhil Bojja Pidong Wang Fredrik Linder Bartlomiej Puzon
2964331	MZ14002CA	CA	4/12/2017	Pending	System and Method for Language Detection	Nikhil Bojja Pidong Wang Fredrik Linder Bartlomiej Puzon
15/283,646	MZ14002CIP1	US	10/3/2016	Pending	Systems and Methods for Language Detection	Nikhil Bojja Pidong Wang Shiman Guo
PCT/US2017/054722	MZ14002CIP1WO	PCT	10/2/2017	Pending	Systems and Methods for Language Detection	Nikhil Bojja Pidong Wang Shiman Guo
201480084163.0	MZ14002CN	CN	6/16/2017	Pending	System and Method for Language Detection	Nikhil Bojja Pidong Wang Fredrik Linder Bartlomiej Puzon
14 790 972.5	MZ14002EP	EPO	4/27/2017	Pending	System and Method for Language Detection	Nikhil Bojja Pidong Wang Fredrik Linder Bartlomiej Puzon
2017-520499	MZ14002JP	JP	4/14/2017	Pending	System and Method for Language Detection	Nikhil Bojja Pidong Wang Fredrik Linder Bartlomiej Puzon
PCT/US2014/061141	MZ14002WO	PCT	10/17/2014	Expired	System and Method for Language Detection	Nikhil Bojja Pidong Wang Fredrik Linder Bartlomiej Puzon
15/384,950	MZ15010	US	12/20/2016	Pending	Systems and Methods for Suggesting Emoji	Nikhil Bojja Satheeshkumar Karuppusamy Pidong Wang Shivasankari Kannan Arun Nedunchezian
62/272,324	MZ15010P1	US	12/29/2015	Expired	Systems and Methods for Suggesting Emoji	Nikhil Bojja Satheeshkumar Karuppusamy Pidong Wang Shivasankari Kannan Arun Nedunchezian
PCT/US2016/067723	MZ15010WO	PCT	12/20/2016	Pending	Systems and Methods for Suggesting Emoji	Nikhil Bojja Satheeshkumar Karuppusamy Pidong Wang Shivasankari Kannan Arun Nedunchezian

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14/990,540	MZ16001	US	1/7/2016	Pending	Named Entity Recognition for Game Chat Data	Nikhil Bojja Shivasankari Kannan Pidong Wang
PCT/US2017/01 2102	MZ16001WO	PCT	1/4/2017	Pending	Named Entity Recognition for Game Chat Data	Nikhil Bojja Shivasankari Kannan Pidong Wang
15/007,639	MZ16002	US	1/27/2016	Pending	Determining User Sentiment in Chat Data	Nikhil Bojja Shivasankari Kannan Satheeshkumar Karuppusamy
PCT/US2017/01 3884	MZ16002WO	PCT	1/18/2017	Pending	Determining User Sentiment in Chat Data	Nikhil Bojja Shivasankari Kannan Satheeshkumar Karuppusamy
15/783,537	MZ16014	US	10/13/2017	Pending	System and Method for Managing a Cluster of Cache Servers (TRASK)	Eric Liaw Kevin Xiao Glen Wong
62/413,639	MZ16014P1	US	10/27/2016	Expired	System and Method for Managing a Cluster of Cache Servers (TRASK)	Eric Liaw Kevin Xiao Glen Wong
PCT/US2017/05 8249	MZ16014WO	PCT	10/25/2017	Pending	System and Method for Managing a Cluster of Cache Servers (TRASK)	Eric Liaw Kevin Xiao Glen Wong
15/798,467	MZ16019	US	10/31/2017	Pending	System and Method for Updating Application Clients Using a Plurality of Content Delivery Networks	Thomas Wells Vincenzo Alagna
62/443,352	MZ16019P1	US	1/6/2017	Expired	System and Method for Updating Application Clients Using a Plurality of Content Delivery Networks	Thomas Wells Vincenzo Alagna
PCT/US2018/01 2041	MZ16019WO	PCT	1/2/2018	Pending	System and Method for Updating Application Clients Using a Plurality of Content Delivery Networks	Thomas Wells Vincenzo Alagna
15/795,946	MZ16020	US	10/27/2017	Pending	System and Method for Determining User Health	Nikhil Bojja Michael Fox Nathan Spencer Calvin Lau David Severs Andrew Koike Shiman Guo
62/444,476	MZ16020P1	US	1/10/2017	Expired	System and Method for Determining Player Health	Nikhil Bojja Michael Fox Nathan Spencer Calvin Lau David Severs Andrew Koike Shiman Guo
PCT/US2018/01 2892	MZ16020WO	PCT	1/9/2018	Pending	System and Method for Determining User Health	Nikhil Bojja Michael Fox Nathan Spencer Calvin Lau David Severs Andrew Koike Shiman Guo
15/866,682	MZ16021	US	1/10/2018	Pending	System and Method for Managing Dynamic Design Data for a Virtual Environment	Nathan Spencer Dwight Winkler Garth Gillespie
62/444,979	MZ16021P1	US	1/11/2017	Expired	System and Method for Managing Dynamic Design Data for a Virtual Environment	Nathan Spencer Dwight Winkler Garth Gillespie

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PCT/US2018/01 3084	MZ16021WO	PCT	1/10/2018	Pending	System and Method for Managing Dynamic Design Data for a Virtual Environment	Nathan Spencer Dwight Winkler Garth Gillespie
15/825,581	MZ16022	US	11/29/2017	Pending	System and Method for Managing Event Data in a Multi-Player Online Game	John O'Connor Nathan Spencer Garth Gillespie Timothy Wong
62/445,364	MZ16022P1	US	1/12/2017	Expired	System and Method for Managing Event Data in a Game	John O'Connor Nathan Spencer Garth Gillespie Timothy Wong
PCT/US2018/01 2909	MZ16022WO	PCT	1/9/2018	Pending	System and Method for Managing Event Data in a Multi-Player Online Game	John O'Connor Nathan Spencer Garth Gillespie Timothy Wong
15/845,119	MZ16023	US	12/18/2017	Pending	System and Method for Managing Bonuses in a Multi-Player Online Game	Garth Gillespie Nathan Spencer Yan Zhang
62/447,031	MZ16023P1	US	1/17/2017	Expired	System and Method for Awarding Bonuses in a Game	Garth Gillespie Nathan Spencer Yan Zhang
PCT/US2018/01 3517	MZ16023WO	PCT	1/12/2018	Pending	System and Method for Managing Bonuses in a Multi-Player Online Game	Garth Gillespie Nathan Spencer Yan Zhang
15/850,056	MZ16024	US	12/21/2017	Pending	System and Method for Processing Random Events	Ajk Palikuqi Garth Gillespie
62/447,611	MZ16024P1	US	1/18/2017	Expired	System and Method for Rewarding Users in a Game by Generating an Arbitrary Amount of Random Choices in Constant Time Using an Approximation Algorithm	Ajk Palikuqi Garth Gillespie
PCT/US2018/01 3513	MZ16024WO	PCT	1/12/2018	Pending	System and Method for Processing Random Events	Ajk Palikuqi Garth Gillespie
15/837,384	MZ16025	US	12/11/2017	Pending	System and Method for Controlling Game Play Using Fingerprint Recognition	Ajk Palikuqi Garth Gillespie Arya Bondarian Jai Kim
62/448,108	MZ16025P1	US	1/19/2017	Expired	System and Method for Controlling Game Play Using Fingerprint Identification	Ajk Palikuqi Garth Gillespie Arya Bondarian Jai Kim
PCT/US2018/01 3533	MZ16025WO	PCT	1/12/2018	Pending	System and Method for Controlling Game Play Using Fingerprint Recognition	Ajk Palikuqi Garth Gillespie Arya Bondarian Jai Kim
62/448,619	MZ16026P1	US	1/20/2017	Expired	System and Method for Reconstructing Cache Loss	Ajk Palikuqi Garth Gillespie Arya Bondarian Jai Kim
62/450,176	MZ16027P1	US	1/25/2017	Expired	System and Method for Binding Global Objects in a Client-Server Architecture	Ajk Palikuqi Garth Gillespie Arya Bondarian Jai Kim
62/451,240	MZ16028P1	US	1/27/2017	Expired	System and Method for Encapsulating Computer Communications	John O'Connor Nathan Spencer Garth Gillespie Yan Zhang

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15/817,522	MZ17002	US	11/20/2017	Pending	System and Method for Managing Global Position Information in Online Games	Quan Gu
62/450,752	MZ17002P1	US	1/26/2017	Expired	System and Method for Augmenting a User Experience in a Virtual Environment Based on a Physical Geographical Location of the User	Quan Gu
PCT/US2018/014854	MZ17002WO	PCT	1/23/2018	Pending	System and Method for Managing Global Position Information in Online Games	Quan Gu
62/451,238	MZ17003P1	US	1/27/2017	Expired	System and Method for Automatically Determining Points of Interest in a Game	Matt Walsh
62/474,850	MZ17010P1	US	3/22/2017	Pending	System and Method for Using HSV Color Shifting to Replicate a Textured Display Asset with Different Colors	Kaustubh Atrawalkar
62/474,852	MZ17011P1	US	3/22/2017	Pending	System and Method for Exploiting Native Graphical Elements in Custom Applications Using Offscreen Render-to-Texture	Matt Bradberry Matt Walsh
62/475,435	MZ17012P1	US	3/23/2017	Pending	System and Method for Reducing Start-Up Times of Application Clients in a Content Streaming Architecture	Brendan Seaman Sebastian Plehn
62/475,437	MZ17013P1	US	3/23/2017	Pending	System and Method for Updating an Application Client Using Live Data Associated with a Geographical Location of a User	Stanley Lee
62/476,061	MZ17015P1	US	3/24/2017	Pending	System and Method for Single-Pass Rendering of Projected Shadows Without Use of Stencil Buffers	Michael Bunnell
62/476,201	MZ17016P1	US	3/24/2017	Pending	System and Method for Mass-Animating Characters in Animated Sequences on Mobile Devices	David Redkey
62/501,333	MZ17019P1	US	5/4/2017	Pending	System and Method for Managing a Virtual Environment Using Timelines	Ajk Palikuqi Jai Kim
62/507,320	MZ17021P1	US	5/17/2017	Pending	System and Method for Synchronizing Data Between Computer Devices	Garth Gillespie Nathan Spencer John O'Connor Yan Zhang
62/507,321	MZ17022P1	US	5/17/2017	Pending	System and Method for Managing Limit Orders for Electronic Purchase of Goods and Services	Jeremy Emerson William James Pyne
62/516,935	MZ17026P1	US	6/8/2017	Pending	System and Method for Caching Files on a Client Device and Managing Caches for a Client Application	Detmar Peterke
62/561,314	MZ17054P1	US	9/21/2017	Pending	System and Method for Utilizing Memory Efficient Data Structures for Emoji Suggestion	Pidong Wang Shivasankari Kannan Nikhil Bojja
62/561,315	MZ17055P1	US	9/21/2017	Pending	System and Method for Translating Chat Messages	Pidong Wang Shiman Guo Nikhil Bojja
62/573,715	MZ17060P1	US	10/18/2017	Pending	System and Method for Screening Calls on Mobile Devices	Jeremy Emerson Matt Walsh