

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6049688

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
PARRABLE, INC.	01/25/2020
RECEIVING PARTY DATA	
Name:	ROBERT CELL
Street Address:	335 MEADOW CREEK
Internal Address:	ATTN: TIMOTHY DAMSCHRODER
City:	ANN ARBOR
State/Country:	MICHIGAN
Postal Code:	48105
PROPERTY NUMBERS Total: 13	
Property Type	Number
Patent Number:	9332065
Patent Number:	8990359
Patent Number:	9553923
Patent Number:	9420324
Patent Number:	9342617
Patent Number:	9929895
Patent Number:	10103931
Patent Number:	10491451
Application Number:	16697079
Application Number:	15469162
PCT Number:	US2016053061
PCT Number:	US2016053065
PCT Number:	US2018023177
CORRESPONDENCE DATA	
Fax Number:	(203)663-8619
<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>	
Phone:	6463893152
Email:	john.boyd@fisherbroyles.com

Correspondent Name: JOHN E. BOYD
Address Line 1: 17 FERRIS DRIVE
Address Line 4: OLD GREENWICH, CONNECTICUT 06870

ATTORNEY DOCKET NUMBER: 7238-000008 (PARRABLE)

NAME OF SUBMITTER: JOHN BOYD

SIGNATURE: /johnboyd/

DATE SIGNED: 04/07/2020

Total Attachments: 5

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT ("**IP Security Agreement**"), dated as of January 25, 2020, is made by and between Parrable, Inc., a Delaware Corporation (the "**Borrower**" and, the "**Grantor**," in favor of Robert Cell (the "[**Lender**"), under the Loan Agreement referred to below (the "**Secured Parties**").

WHEREAS, the Borrower Grantor has entered into a Loan Agreement dated as of January 25, 2020 (the "**Loan Agreement**"), with the Lender and other lenders (the "**Lenders**") each a party to the Loan Agreement.

WHEREAS, as a condition precedent to the making of the loan by the Lender under the Loan Agreement, Grantor has executed and delivered to the Lender that certain Security Agreement dated as of January 25, 2020, made by and between the Grantor and the Lender (the "**Security Agreement**").

WHEREAS, under the terms of the Security Agreement, the Grantor has granted to the Lender, for the benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Grantor, and has agreed to execute and deliver this IP Security Agreement for recording with the United States Patent and Trademark Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Grant of Security. Grantor hereby pledges and grants to the Lender for the ratable benefit of the Secured Parties a security interest in and to all of the right, title, and interest of Grantor in, to, and under the following (the "**IP Collateral**"):

(a) the patents and patent applications set forth in Schedule 1 hereto and all reissues, divisions, continuations, continuations-in-part, renewals, extensions, and reexaminations thereof and amendments thereto (the "**Patents**");

(b) the trademark registrations and applications set forth in Schedule 2 hereto, together with the goodwill connected with the use thereof and symbolized thereby, and all extensions and renewals thereof (the "**Trademarks**")[, excluding only United States intent-to-use trademark applications to the extent that, and solely during the period in which, the grant, attachment, or enforcement of a security interest therein would, under applicable federal law, impair the registrability of such applications or the validity or enforceability of registrations issuing from such applications];

(c) all rights of any kind whatsoever of Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world;

(d) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(e) any and all claims and causes of action with respect to any of the foregoing, whether occurring before, on, or after the date hereof, including all rights to

and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, dilution, misappropriation, violation, misuse, breach, or default, with the right, but no obligation, to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation. Grantor authorizes the Commissioner for Patents and the Commissioner for Trademarks to record and register this IP Security Agreement upon request by the Lender.

3. Loan Documents. This IP Security Agreement has been entered into pursuant to and in conjunction with the Security Agreement, which is hereby incorporated by reference. The provisions of the Security Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Lender with respect to the IP Collateral are as provided by the Loan Agreement, the Security Agreement, and related documents, and nothing in this IP Security Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This IP Security Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this IP Security Agreement by facsimile or in electronic (i.e., "pdf" or "tif") format shall be effective as delivery of a manually executed counterpart of this IP Security Agreement.

5. Successors and Assigns. This IP Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This IP Security Agreement and any claim, controversy, dispute, or cause of action (whether in contract or tort or otherwise) based upon, arising out of, or relating to this IP Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Michigan, without giving effect to any choice or conflict of law provision or rule (whether of the State of Michigan or any other jurisdiction).

[SIGNATURE PAGE FOLLOWS]

Parrable, Inc.
By: *Carla Holtze*
Name: Carla Holtze
Title: Chief Executive Officer
Address for Notices:

AGREED TO AND ACCEPTED:

[NAME OF LENDER]
By: *Robert C. V.*
Name: Robert C. V.
Title:
Address for Notices:

SCHEDULES

SCHEDULE 1

PATENTS

Patents and Patent Applications

CaseNumber	AppNumber	FileDate	AppTitle	Status
PARR-002P	62/000,518	5/19/14	METHODS AND APPARATUS FOR IDENTIFYING BROWSER USE ON A MOBILE DEVICE	Expired; converted in US
PARR-002	14/340,272	7/24/14	METHODS AND APPARATUS FOR IDENTIFYING BROWSER USE ON A MOBILE DEVICE	Granted (US 9332065)
PARR-003	14/340,312	7/24/14	METHODS AND APPARATUS FOR PIXEL ENCODED WEB PAGE	Granted (US 8990359)
PARR-003COA	14/621,638	2/13/15	METHODS AND APPARATUS FOR PIXEL ENCODED WEB PAGE	Granted (US 9553923)
PARR-004P	61/884,598	9/30/13	MOBILE INLINE VIDEO METHOD AND SYSTEM	Expired; converted in US
PARR-004	14/500,807	9/29/14	CONTENT ISOLATION AND PROCESSING FOR INLINE VIDEO PLAYBACK	Granted (US 9420324)
PARR-005	14/716,187	5/19/15	UNIQUE IDENTIFIERS FOR BROWSERS	Granted (US 9342617)
PARR-005COA	15/155,263	5/16/16	UNIQUE IDENTIFIERS FOR BROWSERS	Granted (US 9929895)
PARR-006	14/861,097	9/22/15	SESSION-BASED MATCHING OF MUTABLE BROWSER IDENTIFIERS	Granted (US 10103931)
PARR-006PCT	PCT/US16/53061	9/22/16	SESSION-BASED MATCHING OF MUTABLE BROWSER IDENTIFIERS	Expired; filed national phase in EP and JP
PARR-006EP	16 849 577.8	6/15/18	SESSION-BASED MATCHING OF MUTABLE BROWSER IDENTIFIERS	Pending; awaiting next EP action
PARR-006JP	2018534500	5/22/18	SESSION-BASED MATCHING OF MUTABLE BROWSER IDENTIFIERS	Allowed; grant fee paid
PARR-007	14/861,993	9/22/15	TIMESTAMP-BASED MATCHING OF IDENTIFIERS	Granted (US 10491451)

PARR-007COA	16/697,079	11/26/19	TIMESTAMP-BASED MATCHING OF IDENTIFIERS	Pending;
PARR-007PCT	PCT/US16/53065	9/22/16	TIMESTAMP-BASED MATCHING OF IDENTIFIERS	Expired; filed national phase in EP and JP
PARR-007EP	16 849 578.6	6/15/18	TIMESTAMP-BASED MATCHING OF IDENTIFIERS	Pending; awaiting next EP action
PARR-007JP	2018-534501	5/22/20187	TIMESTAMP-BASED MATCHING OF IDENTIFIERS	Allowed; grant fee paid
PARR-008	15/469,162	3/24/2017	TIMESTAMP-BASED SESSION ASSOCIATION	Pending
PARR-008PCT	PCT/US18/23177	3/19/18	TIMESTAMP-BASED SESSION ASSOCIATION	Expired; filed national phase in EP and JP
PARR-008EP	18 770 352.5	9/16/19	TIMESTAMP-BASED SESSION ASSOCIATION	Pending; awaiting next action
PARR-008JP	2019-552566	9/10/19	TIMESTAMP-BASED SESSION ASSOCIATION	Pending; awaiting next action