

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | STEPHEN PRIDEAUX-GHEE | 08/05/2019 |
| RECEIVING PARTY DATA | | |
| Name: | PTC INC. | |
| Street Address: | 121 SEAPORT BOULEVARD | |
| City: | BOSTON | |
| State/Country: | MASSACHUSETTS | |
| Postal Code: | 02210 | |
| PROPERTY NUMBERS Total: 1 | | |
| Property Type | Number | |
| Application Number: | 15146398 | |
| CORRESPONDENCE DATA | | |
| Fax Number: | | |
| <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: | 617-345-3000 | |
| Email: | docketing@burnslev.com | |
| Correspondent Name: | BURNS & LEVINSON LLP | |
| Address Line 1: | 125 HIGH STREET | |
| Address Line 4: | BOSTON, MASSACHUSETTS 02110 | |
| ATTORNEY DOCKET NUMBER: | 11333-0045001 | |
| NAME OF SUBMITTER: | PAUL PYSHER | |
| SIGNATURE: | /Paul Pysher/ | |
| DATE SIGNED: | 08/12/2019 | |
| Total Attachments: 3 | | |
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Vladimir Parfenov, Kevin Elliott Jordan, Steven Thomas Dertien, Moshe Jacob Baum, Andre Gosselin, Stephen Prideaux-Ghee and James E. Heppelman, each individually assign to PTC INC., a corporation formed under the laws of Massachusetts and having a principal place of business at 121 Seaport Boulevard, Boston, MA 02210, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "AUGMENTED REALITY SYSTEM", and was filed in the United States Patent and Trademark Office on May 4, 2016, as application 15/146,398 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region including U.S. Provisional Application No. 62/157,234 and PCT Application No. PCT/US16/30720, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and

declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Vladimir Parfenov Date: _____

Witnessed by:

Signature: _____ Date: _____

Print Name: _____

Kevin Elliott Jordan Date: _____

Witnessed by:

Signature: _____ Date: _____

Print Name: _____

Steven Thomas Dertien Date: _____

Witnessed by:

Signature: _____ Date: _____

Print Name: _____

Moshe Jacob Baum Date: _____

Witnessed by:

Signature: _____ Date: _____

Print Name: _____

Andre Gosselin

Date: _____

Witnessed by:

Signature: _____

Date: _____

Print Name: _____


Stephen Prideaux-Ghee

Date: 5th August 2019

Witnessed by:

Signature: S.A. Prideaux-Ghee

Date: 5th August 2019

Print Name: SALLY PRIDEAUX-GHEE

James E. Heppelman

Date: _____

Witnessed by:

Signature: _____

Date: _____

Print Name: _____