PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6480289

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VLADIMIR PARFENOV	07/31/2019
KEVIN ELLIOTT JORDAN	07/30/2019
STEVEN THOMAS DERTIEN	07/29/2019
MOSHE JACOB BAUM	07/29/2019
ANDRE GOSSELIN	07/28/2019
STEPHEN PRIDEAUX-GHEE	08/05/2019
JAMES E. HEPPELMAN	07/29/2019

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:	16534756

CORRESPONDENCE DATA

Fax Number:

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.

Email:docketing@burnslev.comCorrespondent Name:BURNS & LEVINSON, LLP

Address Line 1: 125 HIGH STREET

Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER:	2012315-0106
NAME OF SUBMITTER:	PAUL PYSHER
SIGNATURE:	/Paul Pysher/
DATE SIGNED:	01/05/2021
	-

Total Attachments: 19

PATENT REEL: 054814 FRAME: 0833

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PATENT REEL: 054814 FRAME: 0834

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.

*	Date:
Vladimir Parfenov	Date:
Witnessed by:	
Signature:	Date:
Print Name:	
	Doto
Kevin Elliott Jordan	Date:
Witnessed by:	
Signature:	Date:
Print Name:	
	Nota:
Steven Thomas Dertien	Date:
Witnessed by:	
Signature:	Date:
Print Name:	
	Date:
Moshe Jacob Baum	Date.
Witnessed by:	
Signature:	Date:
Print Name:	

Andre Gosselin	Date: <u>2019</u>	<u>/87/28</u>	
Witnessed by: Signature Gudine Briss	Date: <u>久り</u> ジリ)	19/07/	<u> 28</u>
*	Date:		
Stephen Prideaux-Ghee Witnessed by:	* G = 0		
Signature:	Date:		······································
Print Name:		# #	
James E. Heppelman	Date:		
Witnessed by:			
Signature: Print Name:	Date:		

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Vladimir Parfenov	Date:
Witnessed by:	
Signature:	Date:
Print Name:	-
	Date:
Kevin Elliott Jordan	
Witnessed by:	
Signature:	Date:
Print Name:	· -
	Date:
Steven Thomas Dertien	
Witnessed by:	
Signature:	Date:
Print Name:	-
	Date:
Moshe Jacob Baum	
Witnessed by:	
Signature:	Date:
Print Name:	_

	Date:
Andre Gosselin	
Witnessed by:	
Signature:	Date:
Print Name:	
	Date:
Stephen Prideaux-Ghee	Dato
Witnessed by:	
Signature:	Date:
Print Name:	
James E. Heppelman	Date: 7/29/19
James E. Heppelman	
Witnessed by:	
Signature: Lisan Habig	Date: 7.29.19
Print Name: USA Habia	

ASSIGNMENT

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Assignment Page 1 of 3

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PATENT REEL: 054814 FRAME: 0841 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.

	Date:
Vladimir Parfenov	
Witnessed by:	
Signature:	Date:
Print Name:	
Kevin Ellion Jordan	Date: 7/30/2019
Witnessed by: Signatur€ \(\sum_{\text{L}} \sum_{\text{L}} \) Print Name: \(\sum_{\text{L}} \sum_{\text{L}} \)	Date: 7/30/2019
Print Name: 1 Frx 24 E. REAPY	
Steven Thomas Dertien	Date:
Witnessed by:	
Signature:	Date:
Print Name:	
Moshe Jacob Baum	Date:
Witnessed by:	
Signature:	Date:
Print Name:	

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	Date:
Vladimir Parfenov	
Witnessed by:	
Signature:	Date:
Print Name:	
	Date:
Kevin Elliott Jordan	
Witnessed by:	
Signature:	Date:
Print Name:	
	Date:
Steven Thomas Dertien	
Witnessed by:	
Signature:	Date:
Print Name:	
Moshe Jacob Baum	Date: 7/29/2019
Moshe Jacob Baum	
Witnessed by: Signature:	Date: 7/29/2019
Print Name: Mack A Hopkins	

	Date:	
Andre Gosselin		
Witnessed by:		
Signature:	Date:	
Print Name:		
	Date:	
Stephen Prideaux-Ghee		
Witnessed by:		
Signature:	Date:	
Print Name:		
	Date:	
James E. Heppelman	•	
Wîtnessed by:		
Signature:	Date:	
Print Name		

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	Date:			
Vladimir Parfenov				
Witnessed by:				
Signature:	Date:	 , , , , , , , , , , , , , , , , , , ,	.:	
Print Name:				
	Date:		•	
Kevin Elliott Jordan				
Witnessed by:				
Signature:	Date:			
Print Name:				
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Steven Thomas Dertien	Date:			
Witnessed by:				
Signature:	Date:	· · · · · · · · · · · · · · · · · · ·		
Print Name:				
	D. ()			
Moshe Jacob Baum	Date:			
Witnessed by:		west grant and a		
Signature:	Date:			
Print Name:			• .	

Assignment Page 2 of 3

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	Date:
Andre Gosselin	· · · · · · · · · · · · · · · · · · ·
Witnessed by:	
Signature:	Date:
Print Name:	
Stephen Prideaux-Ghee	Date: 5th August 2019
Witnessed by:	
Signature: S. A. Pri deaux_ Ghee	Date: 5th August 2019
Print Name: SALLY PRIDEAUX-GHEE	
	Date:
James E. Heppelman	
Witnessed by:	
Signature:	Date:
Print Name:	

ASSIGNMENT

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Wladimir Parfenov	Date: 7/31/2019
Witnessed by: Signature: <u>S. R. A. See</u> Print Name: <u>Szkuhi PETROS</u>	Date: 7/31/2019
Kevin Elliott Jordan	Date:
Witnessed by: Signature: Print Name:	Date:
Steven Thomas Dertien	Date:
Witnessed by: Signature:	Date:
Print Name:	
Moshe Jacob Baum	Date:
Witnessed by: Signature:	Date:
Print Name:	Date:

PATENT REEL: 054814 FRAME: 0851

PATENT REEL: 054814 FRAME: 0852

	Date:	
Andre Gosselin		
Witnessed by:		
Signature:	Date:	,
Print Name:		
G(1 P.3 G1	Date:	
Stephen Prideaux-Ghee		
Witnessed by:		
Signature:	Date:	***************************************
Print Name:		
	Date:	
James E. Heppelman		
Witnessed by:		
Signature:	Date:	
Print Name		