## 505572509 07/16/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5619307

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MICHAL VALIENT	05/31/2019
MICHAEL IMBROGNO	05/31/2019
KAROL E. CZARADZKI	06/20/2019
NARAYANAN SWAMINATHAN	07/10/2019

## **RECEIVING PARTY DATA**

Name:	APPLE INC.
Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16428403

### **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.

**Phone:** 713-228-6601

**Email:** mbrininger@blankrome.com

Correspondent Name: APPLE - BLANK ROME C/O BLANK ROME LLP

Address Line 1: 717 TEXAS AVENUE, SUITE 1400

Address Line 4: HOUSTON, TEXAS 77002

ATTORNEY DOCKET NUMBER: P42373US1 (119-1733US1)	
NAME OF SUBMITTER:	DANIEL R. PETERSON
SIGNATURE:	/Daniel R. Peterson/
DATE SIGNED:	07/16/2019

#### **Total Attachments: 5**

source=P42373US1\_Assignment#page1.tif source=P42373US1\_Assignment#page2.tif source=P42373US1\_Assignment#page3.tif

PATENT 505572509 REEL: 049759 FRAME: 0817

source=P42373US1\_Assignment#page4.tif source=P42373US1\_Assignment#page5.tif

PATENT REEL: 049759 FRAME: 0818

#### ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which is hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to Apple Inc., (the "Assignee"), a corporation of California having a place of business at One Apple Park Way, Cupertino, California 95014 the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled: Graphics System and Method for Use of Sparse Textures, which was filed as indicated below (the below-signed Assignors hereby grant the Assignee's designated agent to fill in this information after their signatures are applied):

	igned Assignors hereby grant the Assignee's designated agent to fill in this after their signatures are applied):
	is to be filed herewith;
$\boxtimes$	was filed on <u>May 31, 2019</u> , now bearing U.S. Serial Number <u>16/428,403</u>
applications countries on shall be issue specifically in	onal, continuing, continuation-in-part, substitute, renewal, reissue and all other for patent which have been or shall be filed in the United States and all foreign any of such improvements; all original and reissued patents which have been oed in the United States and all foreign countries on such improvements; and including the right to file foreign applications under the provisions of any or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining

1

and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Executed on	5/3//19 Date	by	Michal Valient
Executed on	Date	by	Michael Imbrogno
Executed on	Date	by	Karol E. Czaradzki
Executed on	Date	by	Naravanan Swaminathan

and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Executed on	Date	by	Michal Valient
Executed on	<u>May 31/2019</u> Date	by	Michael Imbrogno
Executed on	Date	by	Karol E. Czaradzki
Executed on	Date	by	Narayanan Swaminathan

and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Executed on	Date	by	Michal Valient
Executed on	Date:	by	Michael Imbrogno
Executed on	<u>06/20/79</u> Date	by	Karol E. Czaradzki
Executed on		by	Naravanan Swaminathan

and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Executed on	Date	by	Michal Valient
Executed on	Date	by	Michael Imbrogno
Executed on	Date	by	Karol E. Czaradzkí
Executed on	<u>J.J. 10, 2019</u> Date	bÿ	Narayanan Swaminathan

2