504785591 02/20/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4832322

		NEW ASSIGNMENT		
ATURE OF CONVEYAN	CE:	ASSIGNMENT		
CONVEYING PARTY DA	TA			
		Name	Execution Date	
BALAJI VEMBU			06/30/2017	
JASON TANNER			06/27/2017	
JOYDEEP RAY			02/15/2018	
ALTUG KOKER			06/30/2017	
ABHISHEK R. APPU			06/29/2017	
PATTABHIRAMAN K			06/23/2017	
RECEIVING PARTY DAT				
Name:				
Street Address:	2200 MISSION COLLEGE BOULEVARD			
City:	SANTA CLARA			
State/Country:	CALIFORNIA			
	95054			
Postal Code:	95054			
PROPERTY NUMBERS		Number		
PROPERTY NUMBERS	Total: 1	Number 5482535		
Postal Code: PROPERTY NUMBERS ⁻ Property Type Application Number:	Total: 1			
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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

BALAJI VEMBU; JASON TANNER; JOYDEEP RAY; ALTUG KOKER; ABHISHEK R. APPU; PATTABHIRAMAN K

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

APPARATUS AND METHOD FOR REMOTE DISPLAY AND CONTENT PROTECTION IN A VIRTUALIZED GRAPHICS PROCESSING ENVIRONMENT

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on	April 7, 2017			as
US		Application Number	15/482,535	and
COUNTRY or Inte	rnational Office			

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors,

assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignce, its successors, assigns, and legal representatives that no assignment, grant, morigage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

BALAJI VEMBU

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JASON TANNER

JOYDEEP RAY ALTUG KOKER

ABHISHEK R. APPU

PATTABHIRAMAN K

Date signed

Date signed 6/30/2017-

Date signed

6.29.2017

Date signed

Date signed

assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof, and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

BALAJI VEMBU

JASON TANNER

JOYDEEP RAY

ALTUG KOKER

ABHISHEK R. APPU

Waxa U

PATTABHIRAMAN K

Date signed

Date signed

Date signed

Date signed

Date signed

23-3081-2017

Date signed

Page 2 of 2

Attorney Docket No.: 42P116112

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

BALAJI VEMBU; JASON TANNER; JOYDEEP RAY; ALTUG KOKER; ABHISHEK R. APPU; PATTABHIRAMAN K

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

APPARATUS AND METHOD FOR REMOTE DISPLAY AND CONTENT PROTECTION IN A VIRTUALIZED GRAPHICS PROCESSING ENVIRONMENT

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which was filed on	<u>April 7, 2017</u>	ې د		as	
US COUNTRY or Inte	anational Office	Application Number	15/482,535		and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name: and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors,

Page 1 of 2

Attorney Docket No.: 42P116112

assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

BALAJI VEMBU	Date signed		
· · · · · · · · · · · · · · · · · · ·	June 27,2017		
JASON TANNER	Date signed		
 JOYDEEP RAY	Date signed		
 ALTUG KOKER	Date signed		
ABHISHEK R. APPU	Date signed		
 PATTABHIRAMAN K	Date signed		

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US COUNTRY or Inter	national Office	Application Number	15/482,535	and

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and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

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Attorney Docket No.: 42P116112

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covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

BALAJI VEMBU

Date signed

Date signed

Date signed

<u>2-15-18</u>

JASON TANNER

JOYDÉEP RA

ALTUG KOKER

ABHISHEK R. APPU

PATTABHIRAMAN K

Date signed

Date signed

Date signed

Page 2 of 2

RECORDED: 02/20/2018