

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Tero Tapani Karras	05/21/2013
Timo Aila	05/21/2013
RECEIVING PARTY DATA	
Name:	NVIDIA Corporation
Street Address:	2701 San Tomas Expressway
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95050
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13899319
CORRESPONDENCE DATA	
Fax Number:	5034594142
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Alleman Hall McCoy Russell & Tuttle LLP
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Address Line 4:	Portland, OREGON 97205
ATTORNEY DOCKET NUMBER:	NVI13303/HE-12-0834-US1
NAME OF SUBMITTER:	Odan Komphouvong
Signature:	/Odan Komphouvong/
Date:	05/21/2013
Total Attachments: 2	
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CH \$40.00 13899319

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76) WITH ASSIGNMENT**

Title of
Invention: SORTING KEY WITH MODIFICATION

As the below named inventor, I hereby declare that:

This declaration is directed to: ☒ The attached application, or
☐ United States application or PCT international application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I authorize the attorneys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 17996) to insert the filing date, application number, and attorney docket number of the above identified application when known.

WHEREAS, NVIDIA Corporation, ("ASSIGNEE"), a California corporation, having a place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050 is desirous of acquiring an interest therein;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and extensions thereof.

I hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the same, for the sole use of the ASSIGNEE, its successors and assigns.

Further, I agree that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to ASSIGNEE, make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: Tero Tapani Karras Date (Optional): MAY 21, 2013

Signature: Tero Karras

ATTY DOCKET NO.: NVI13303/HE-12-0834-US1

Alleman Hall McCoy Russell & Tuttle LLP
806 SW Broadway, Ste. 600
Portland, OR 97205

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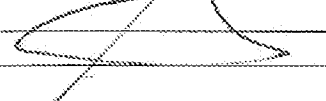
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LEGAL NAME OF INVENTOR

Inventor: Timo Aila Date (Optional): May 21 2013

Signature: 

ATTY DOCKET NO.: NVI13303/HE-12-0834-US1

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Portland, OR 97205