504173779 01/11/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VLASTIMIL HAVRAN	08/07/2016
MAREK VINKLER	08/07/2016
JIRI BITTNER	08/07/2016
WONJONG LEE	11/07/2016

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15403612

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DATE SIGNED:	01/11/2017

PATENT 504173779 REEL: 040947 FRAME: 0715

Total Attachments: 2

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PATENT REEL: 040947 FRAME: 0716

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor, I hereby	y declare that this declaration is directed to the application attached hereto, or
to United States Application Number	or PCT International Application Number
filed on	(if applicable), entitled:
RE	NDERING METHOD AND APPARATUS
The above-identified application was	made or authorized to be made by ma.
I believe I am the original inventor of application.	an original joint inventor of a claimed invention in the above-identified
I hereby acknowledge that any willful by fine or imprisonment of not more	il false statement made in this declaration is punishable under 18 USC 1001 than five (5) years, or both.
I have reviewed and understand the	contents of the above-identified application, including the claims.
to be material to patentability as def	the United States Patent and Trademark Office all information known to me ined in 37 CFR 1.56, including for continuation-in-part applications, material etween the filing date of the prior application and the national or PCT uation-in-part application.
	ASSIGNMENT
For valuable consideration, I, as a b	elow-named assignor, hereby assign to:
Samsung Electronics Co., L 129, Samsung-ro, Yeongtor Suwon-si, Gyeonggi-do 166 Republic of Korea	og-gu
Czech Technical University Technicka 2 166 27 Prague 6 Czech Republic	Faculty of Electrical Engineering
and their successors and assigns (c	ollectively hereinafter called "the Assignees"), the entire right, title, and
interest throughout the world in the i	nventions and improvements that are the subject of the application identified
in the above declaration, which is U	nited States Application Number or PCT International Application Number
15/403,612 filed	ton <u>January 11, 2017</u> .
Assignment by inserting above the	s appointed in the above-identified application to hereafter complete this application number and the filing date of the above-identified application when nical errors that may be discovered in this Assignment.

above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation

This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignees to apply in all countries in my name or in their own names for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for mysell and my heirs, legal representatives, and assigns without further compensation to perform such tawful acts and to sign such further applications. Assignments, preliminary statements, and other lawful documents as the Assignees may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	Vlastimii HAVRAN	**********	
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Inventor's Signature	aid.	Date	3.2.2018
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