504723234 01/10/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15814190

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504723234

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ATTORNEY DOCKET NUMBER: 088298-P16410US1-1048447

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SIGNATURE:	RE: /JOAN GORDON/	
DATE SIGNED:	01/10/2018	
Total Attachments: 3 source=P16410US1_Assignment_Inventors_to_TWDC_CH#page1.tif		

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ASSIGNMENT

(Patent Application)

We, the undersigned, have invented certain inventions and improvements disclosed in a utility (provisional or non-provisional) or design patent application entitled

"KERNEL-PREDICTING CONVOLUTIONAL NEURAL NETWORKS FOR DENOISING,"

filed with the U.S. Patent and Trademark Office on November 15, 2017

and assigned Application No. 15/814,190

For good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

- 1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to The Walt Disney Company (Switzerland) GmbH, a corporation of Switzerland having a principal place of business at Hoschgasse 45, 8008 Zürich, Switzerland, and ETH Zürich (Eidgenössische Technische Hochschule Zürich), a corporation of Switzerland, having a principle place of business at Raemistrasse 101, 8092 Zürich, Switzerland, hereinafter referred to as "Assignees", the entire right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
 - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

ASSIGNMENT

KERNEL-PREDICTING CONVOLUTIONAL NEURAL NETWORKS FOR DENOISING Attorney Docket No. 088298-P16410US1-1048447
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- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignees' own use.
- 2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignees any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
- 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignees' expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignees, their successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
- 5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

ASSIGNMENT KERNEL-PREDICTING CONVOLUTIONAL NEURAL NETWORKS FOR DENOISING Automey Docket No. 088298-P16410US1-1048447 Page 3 of 3

Signed on the dates indicated beside our signatures.

Brian McWilliams

Signature:	Thijs Vogels	Date: <u>③ / 7 0 / 7</u>
Signature:	ian hal	Date: 0.1.2018
Signature:	Jan Novák	Date: 3 208
	Fabrice Rousselle	
Signature:	BOUNDIE-S	Date: 9.1.2018

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RECORDED: 01/10/2018