

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6105391

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHENCHI LUO	04/24/2020
YINGMAO LI	05/12/2020
YOUNGJUN YOO	05/11/2020
GEORGE Q. CHEN	04/25/2020
KAIMO LIN	05/12/2020
DAVID D. LIU	04/19/2020
GYEONGMIN CHOE	04/29/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU
<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16712882
<b>CORRESPONDENCE DATA</b>	
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<b>Email:</b>	patents@munckwilson.com
<b>Correspondent Name:</b>	DOCKET CLERK - SAMS
<b>Address Line 1:</b>	P.O. DRAWER 800889
<b>Address Line 4:</b>	DALLAS, TEXAS 75380
<b>ATTORNEY DOCKET NUMBER:</b>	SAMS12-00576
<b>NAME OF SUBMITTER:</b>	DAVID M. DOYLE
<b>SIGNATURE:</b>	/David M. Doyle/
<b>DATE SIGNED:</b>	05/13/2020

**Total Attachments: 7**

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

Title of Invention	ASYMMETRIC NORMALIZED CORRELATION LAYER FOR DEEP NEURAL NETWORK FEATURE MATCHING
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As the undersigned inventor, I hereby declare that:

This combined declaration and assignment is directed to: ☐ The attached application, or  
☒ United States application or PCT International application number 16/712,882  
filed on December 12, 2019.

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 have reviewed and understand the contents of the application including the claims, for which this combined declaration and assignment is being submitted.

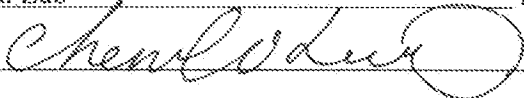
I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation, having a place of business at 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do, 16677, Korea (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in said invention and to any patent that may be granted thereon in the United States and foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, We, the below named inventors, hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the above-identified application and the invention disclosed therein in all countries, including all divisional applications, continuation applications, and corresponding priority applications including those to which priority is claimed under the International Convention of Paris including under 35 U.S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted thereon, and all reissues thereof.

We hereby authorize and request the Patent Office Officials in the United States and all foreign countries to issue patents, when granted, to said ASSIGNEE, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may apply for patents for the invention in foreign countries without further authorization from us. Also, We agree to execute all papers and generally to do everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing patents for the invention in all countries.

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

LEGAL NAME OF FIRST INVENTOR (e.g., full first name, middle initial, last name)	
Inventor: <u>Chenchi Luo</u>	Date: <u>04/24/2020</u>
Signature: <u></u>	

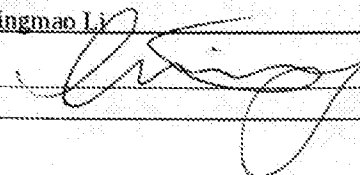
LEGAL NAME OF SECOND INVENTOR (e.g., full first name, middle initial, last name)

Inventor: Yingmao Li

Date:

05/12/2020

Signature:



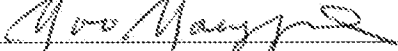
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LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle initial, last name)

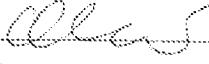
Inventor: Youngjun Yoo

Date: 5-11-2020

Signature: 

LEGAL NAME OF FOURTH INVENTOR (e.g., full first name, middle initial, last name)

Inventor: George Q. Chen Date: 4/25/2020

Signature: 

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LEGAL NAME OF FIFTH INVENTOR (e.g., full first name, middle initial, last name)

Inventor: Kaimo Lin

Date: 2020-05-12

Signature: Lalao

LEGAL NAME OF SIXTH INVENTOR (e.g., full first name, middle initial, last name)

Inventor: David D. Liu Date: April 19, 2020

Signature: 



LEGAL NAME OF SEVENTH INVENTOR (e.g., full first name, middle initial, last name)

Inventor: Gyeongmin Choe Date: Apr. 29, 2020

Signature: Gyeongmin Choe