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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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SAMULI MATIAS LAINE	01/07/2021
DAVID PATRICK LUEBKE	01/07/2021
JAAKKO T. LEHTINEN	01/08/2021
MIIKA SAMULI AITTALA	01/08/2021
TIMO OSKARI AILA	01/07/2021
MING-YU LIU	01/07/2021
ARUN MOHANRAY MALLYA	01/07/2021
TING-CHUN WANG	01/09/2021

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17143608

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER	?:	513331/20-HE-0162US04		
NAME OF SUBMITTER:		STEPHANIE L. WINNER		

SIGNATURE:	/Stephanie L. Winner/
DATE SIGNED:	01/10/2021
Total Attachments: 3 source=Signed Assignment_20-HE-0162US04#page1.tif source=Signed Assignment_20-HE-0162US04#page2.tif source=Signed Assignment_20-HE-0162US04#page3.tif	

NVIDIA CORPORATION ASSIGNMENT AGREEMENT – WORLDWIDE

WHEREAS, I, an undersigned individual, have invented certain invention(s) described in an application for Letters Patent (the "Application") in:

 Ξ the United States another jurisdiction _____;

enclosed herewith or Ξ previously filed on date <u>January 7, 2021</u> under Serial No. <u>17/143,608</u>;

with docket number and title: <u>20-HE-0162-US04/513331</u>; <u>GENERATIVE ADVERSARIAL NEURAL</u> <u>NETWORK ASSISTED RECONSTRUCTION</u>.

WHEREAS, NVIDIA Corporation, a corporation of the State of Delaware, having a place of business at 2788 San Tomas Expressway, Santa Clara, CA 95051; U.S.A. ("NVIDIA"), desires to acquire the entire right, title, and interest in and to the invention(s) disclosed in the Application and all embodiments of such invention(s) previously conceived, made, or discovered by me during my employment with or within the scope of my work in any capacity for NVIDIA (collectively, the "Inventions"), and in and to the Application and any and all other applications for utility patents, utility models, inventor's certificates, and other forms of invention protection or rights for the Inventions in any and all countries and groups of countries (collectively, the "Applications"), and in and to any and all patents, inventors certificates, and other forms of invention or rights arising therefrom (the "Patents").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by me to have been received in full from NVIDIA:

1. I hereby sell, assign, transfer and convey to NVIDIA the entire right, title and interest (a) in and to the Inventions and the Application; (b) in and to all rights to apply for patents and all other forms of invention protection or rights on the Inventions in any and all countries pursuant to the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on the Inventions in any and all countries and groups of countries, including each and every application filed and each and every patent granted on any applications; and (d) in and to each and every reissue or extension of any of the Patents.

2. I hereby covenant and agree to cooperate with NVIDIA to enable NVIDIA to enjoy to the fullest extent the right, title and interest to the Inventions herein conveyed in any and all countries and groups of countries. My cooperation shall include prompt production of pertinent facts and documents, giving testimony, executing petitions, oaths, specifications, declarations or other papers, and providing other assistance to the extent deemed necessary or desirable by NVIDIA (a) for perfecting in NVIDIA the right, title and interest herein conveyed; (b) for prosecuting the Applications; (c) for filing and prosecuting substitute, conventional, divisional, continuation, continuation-in-part, or additional applications covering the Inventions; (d) for filing and prosecuting applications for reexamination or reissuance of any of the Patents; (e) in assisting NVIDIA in any pre-grant or post-grant proceeding involving any of the Inventions, Applications, or Patents; and (f) in assisting NVIDIA in any court or administrative proceeding involving any of the Inventions, Applications, or Patents, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, and infringement actions; provided, however, that reasonable expenses incurred by me in providing such cooperation shall be paid for by NVIDIA.

3. I hereby agree that the terms and covenants of this Assignment Agreement (the "Agreement") shall inure to the benefit of NVIDIA, its successors, assigns and other legal representatives, and shall be binding upon me, my heirs, my legal representatives, and my assigns.

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PATENT REEL: 054868 FRAME: 0629 4. I hereby warrant and represent that I have not entered into and will not enter into any assignment, license, contract, or understanding in conflict herewith.

5. I hereby agree that if any provision of this Agreement is deemed invalid or otherwise unenforceable, the remaining provisions of this Agreement shall remain valid, enforceable, and binding, and the invalid or otherwise unenforceable provision shall be deemed to be replaced by a provision that is valid and enforceable and that comes closest to expressing the intent expressed by the invalid or unenforceable provision.

6. I hereby agree that this Agreement contains the entire understanding between NVIDIA and me relating to the subject matter contained herein, and supersedes all prior and collateral communications and understandings between NVIDIA and me.

7. In the event that the filing date or application number of the Application is not entered at the time I execute this document, and if such information is deemed necessary, I hereby authorize NVIDIA, its successors and assigns, its legal representatives, or anyone it properly designates to enter above such filing date or application number.

IN WITNESS WHEREOF, I have executed and delivered this instrument to NVIDIA on the date indicated below.

(Printed legal name of inventor) <u>Tero Tapani Karras</u>	
(Inventor's signature Tere Age77874EC	(Date)
(Inventor's mailing address) Purjeentekijankuja 13 A 8. Helsink	i, FI 00200
(Printed legal name of inventor) Samuli Matias Laine	
(Inventor's signature / Samuli Matias Laine /	(Date)
(Inventor's mailing address) <u>Tāhtimontie 21, Vantaa, FI 01350</u>	
(Printed legal name of inventor) David Patrick Luebke	
(Inventor's signatur / David Patrick Lubbe /	(Date)
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(Printed legal name of inventor) Jaakko T. Lehtinen (Inventor's signature / Jaakko T. Lultivuu /	
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(Printed legal name of inventor) Miika Samuli Aittala
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(Inventor's signature)
(Inventor's mailing address) <u>Lukkarintie 2 H 26, Tuusula, FI 04310</u>
(Printed legal name of inventor) Ming-Yu Liu
and DecuSigned by
(Inventor's signatur $/$ $/$ $/$ $/$ $/$ $/$ $/$ $/$ $/$ $/$
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(Printed legal name of inventor) <u>Anın Mohanray Mallya</u>
(Inventor's signatur / Arun Mohanray Mallya / (Date)1/7/2021
(Inventor's mailing address) <u>3507 Palmilla Drive, Apt. 4035, San Jose, CA 95134</u>
(Printed legal name of inventor) Ting-Chun Wang
DocuSigned by: 1/0/2021
(Inventor's signature / ting-Chun Warg / (Date) (Date)
(Inventor's mailing address) <u>3460 Flora Vista Avenue, Santa Clara, CA 95051</u>

NVIDIA Corporation Assignment Agreement

RECORDED: 01/10/2021