

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONG CHUL KIM	03/21/2018
IDA MARIE HØIAAS	03/09/2018
MAZID MUNSHI	03/09/2018
BJØRN OVE FIMLAND	03/09/2018
HELGE WEMAN	03/09/2018
DINGDING REN	03/09/2018
DASA DHEERAJ	03/09/2018

RECEIVING PARTY DATA

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State/Country:	NORWAY
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16456591

CORRESPONDENCE DATA

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PATENT

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ATTORNEY DOCKET NUMBER: 10414-014US2

NAME OF SUBMITTER: MELISSA M. MITCHELL

SIGNATURE: /Melissa M. Mitchell/

DATE SIGNED: 04/07/2020

Total Attachments: 11

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ASSIGNMENT

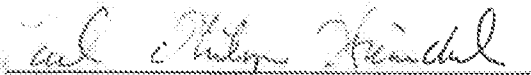
For valuable consideration, we, **Dong-Chul KIM** of Blåkklokkevegen 27 A, Trondheim Norway 7050; **Ida Marie HØIAAS** of Bredablikkveien 76, Trondheim Norway 7020; **Mazid MUNSHI** of Nedre Alle 24, Trondheim Norway 7030; **Bjørn Ove FIMLAND** of Marie Sørдалs veg 14 G, Trondheim Norway 7036; **Helge WEMAN** of Chemin de la Chiésaz 15, Ecublens Switzerland 1024; **Dingding REN** of Balders vei 3B H0102, Trondheim Norway 7033; and **Dasa DHEERAJ** of Øvre Flatåsveg 5 B, Trondheim Norway 7079, hereby assign to hereby assign an undivided interest in the entirety to **NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU)**, a university of Norway, having a place of business at Sem Sælands vei 14, Trondheim N-7491 Norway, and **CRAYONANO AS**, a corporation of Norway, and its successors and assigns (collectively hereinafter "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are subject of an application for United States Patent, entitled "**PROCESS FOR GROWING NANOWIRES OR NANOPYRAMIDS ON GRAPHITIC SUBSTRATES**," filed January 31, 2018, and assigned U.S. Patent Application No. 15/749,228, which is a filing under 35 USC §371 of PCT Serial Number PCT/EP2016/068350 filed August 1, 2016, which claims priority to Great Britain Patent Application Nos. GB 1513567.6 filed July 31, 2015, and GB 1600162.0 filed January 5, 2016; this assignment including said application, any and all divisional, continuing, substitute, renewal, reissue and all other applications for patent that have been or shall be filed in the United States and all foreign countries on any such inventions or improvements; all original and reissued patents that have been or shall be issued in the United States and all foreign countries on such inventions or improvements; and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further

compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 21-03-2-18

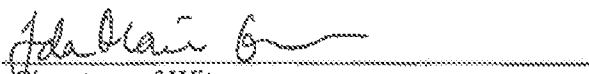

Dong Chul KIM

WITNESSED BY:


Signature of Witness

CARL PHILIP HEIMDAL
Name of Witness

21.3.2018
Date


Signature of Witness

IDA MARIE HILMÅS
Name of Witness

22/03 2018
Date

Date: 9/3-2018

Ida Marie Hølaas
Ida Marie HØLAAS

WITNESSED BY:

Ine Mari Uevang
Signature of Witness

Asgeir Bjørgan
Signature of Witness


INE MARI UEVANG
Name of Witness

Asgeir Bjørgan
Name of Witness


2018-03-09
Date

2018-03-09
Date

Date: March 9, 2018


Mazid MUNSHI

WITNESSED BY:


Signature of Witness

DHEERAJ DALIA
Name of Witness

09 - 03 - 2018
Date


Signature of Witness

Helga Weman
Name of Witness

March 9, 2018
Date

Date: 09 March 2018

Bjørn-Ove Fimland
Bjørn Ove FIMLAND

WITNESSED BY:

Tor-Arne Nilsson
Signature of Witness

Dagfinn Ren
Signature of Witness

Tor-Arne Nilsson
Name of Witness

Dagfinn Ren
Name of Witness


09 March 2018
Date

09 March, 2018.
Date

Date: March 9, 2018

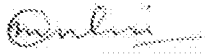
Helge Weiman
Helge WEMAN

WITNESSED BY:


Signature of Witness

DHEERAJ DASA
Name of Witness

09-03-2018
Date


Signature of Witness

Mazid Munshi
Name of Witness

March 9, 2018
Date

Date: 2018.03.09

Dingding REN
Dingding REN

WITNESSED BY:

[Signature]
Signature of Witness

Lyubomir Ahtapodov
Name of Witness


03/03/2018
Date

Bjorn-Ove Finland
Signature of Witness


BJORN OVE M. FINLAND
Name of Witness

9. March 2018
Date

Date: 09-03-2018

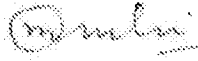

Dasa DHEERAJ

WITNESSED BY:


Signature of Witness

Helge Weman
Name of Witness

March 9, 2018
Date


Signature of Witness

Maxid Munshi
Name of Witness

March 9, 2018
Date


Date:

21/05/2018



NORWEGIAN UNIVERSITY OF
SCIENCE AND TECHNOLOGY (NTNU)

Date: 1/9/14-2018


CRAYONANO AS