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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKASHI FUKUI	01/28/2016
KATSUHIRO TOMIOKA	01/28/2016

RECEIVING PARTY DATA

Name:	NATIONAL UNIVERSITY CORPORATION HAKKAIDO UNIVERSITY
Street Address:	KITA 8-JYO NISHI 5-CHOME, KITA-KU,
City:	SAPPORO-SHI, HOKKAIDO
State/Country:	JAPAN
Postal Code:	060-0808
Name:	JAPAN SCIENCE AND TECHNOLOGY AGENCY
Street Address:	4-1-8, HONCHO,
City:	KAWAGUCHI-SHI, SAITAMA
State/Country:	JAPAN
Postal Code:	332-0012

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15031575

CORRESPONDENCE DATA

Fax Number: (703)684-1460

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-684-1470

ncolston@brundidge-stanger.com Email:

Correspondent Name: BRUNDIDGE & STANGER, P.C. CARL I. BRUNDI

Address Line 1: WASH/ASSOC

Address Line 2: 2318 MILL ROAD, SUITE 1020 Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	3560.555BS
NAME OF SUBMITTER:	CARL I. BRUNDIDGE
SIGNATURE:	/Carl I. Brundidge/

PATENT REEL: 038357 FRAME: 0265 503796091

DATE SIGNED:	04/22/2016
Total Attachments: 2	
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PATENT REEL: 038357 FRAME: 0266

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the undersigned by NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY A corporation organized under the laws of Japan and located at Kita 8-jyo Nishi 5-chome, Kita-ku, Sapporo-shi, Hokkaido 060-0808 JAPAN and JAPAN SCIENCE AND TECHNOLOGY AGENCY A corporation organized under the laws of Japan and located at 4-1-8, Honcho, Kawaguchi-shi, Saitama 332-0012 Japan receipt of which is hereby acknowledged, I or we do hereby sell and assign to said NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY and JAPAN SCIENCE AND TECHNOLOGY AGENCY their successors and assigns, all of my or our right, title and interest, in and for the United States of America in and to the invention entitled

GROUP III-V COMPOUND SEMICONDUCTOR NANOWIRE, FIELD EFFECT TRANSISTOR, AND SWITCHING ELEMENT

invented by me or us and described in the application for U.S. Letters Patent therefor identified as:

- (X) Scrial No. PCT/JP2014/005463 , filed <u>October 29, 2014</u>; or
- () executed on even date herewith; or
- () executed on (date)_____,

and all United States Letters Patent which may be granted therefor, and all Divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY and JAPAN SCIENCE AND TECHNOLOGY AGENCY their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by the me or us if this assignment and sale had not been made;

And I or we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the joint title thereto in said assignees;

And I or we do hereby authorize and request the Commissioner of Patents and Trademarks, or equivalent, to issue said Letters Patent to said NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY and JAPAN SCIENCE AND TECHNOLOGY AGENCY and do hereby authorize the Law Firm of Brundidge & Stanger, P.C. to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

PATENT REEL: 038357 FRAME: 0267 Signed on the date(s) indicated aside signatures:

INVENTOR(S)

Date Signed

1) Takagh Tiku Takashi FUKUI

1) Takashi FUKUI

2) Katsuhiro TOMIOKA

Japuary 28, 20/6

Soft, Jam. 2016

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RECORDED: 04/22/2016