PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2800835

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| GHOLAMREZA CHAJI | 04/03/2014 |
| MARYAM MORADI | 04/02/2014 |

RECEIVING PARTY DATA

| Name: | IGNIS INNOVATION INC. | |
|-----------------|----------------------------|--|
| Street Address: | 50 BATHURST DRIVE, UNIT 12 | |
| City: | WATERLOO, ON | |
| State/Country: | CANADA | |
| Postal Code: | N2V 2C5 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14245203 |

CORRESPONDENCE DATA

Fax Number: (312)425-3909

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

US Mail.

Email:crivera@nixonpeabody.comCorrespondent Name:STEPHEN G. RUDISILLAddress Line 1:NIXON PEABODY LLP

Address Line 2: 300 W. RIVERSIDE DRIVE, 16TH FL. Address Line 4: CHICAGO, ILLINOIS 60606-6613

| ATTORNEY DOCKET NUMBER: | 058161-000060USP1 | |
|-------------------------|-----------------------|--|
| NAME OF SUBMITTER: | STEPHEN G. RUDISILL | |
| SIGNATURE: | /Stephen G. Rudisill/ | |
| DATE SIGNED: | 04/04/2014 | |

Total Attachments: 3

source=058161-60USP1_Assignment#page1.tif source=058161-60USP1_Assignment#page2.tif source=058161-60USP1_Assignment#page3.tif

PATENT 502754239 REEL: 032603 FRAME: 0833

Customer No.: 70001

ASSIGNMENT

WHEREAS, we, GHOLAMREZA CHAJI AND MARYAM MORADI, have invented certain new and useful improvements in the following: "THIN FILM TRANSISTOR INCLUDING A NANOCONDUCTOR LAYER," for which we have made an application for United States Letters Patent; and

WHEREAS, Ignis Innovation Inc., a corporation organized and existing under the laws of the Country of Canada, having its principal place of business at 50 Bathurst Drive, Unit 12, Waterloo, ON, Canada N2V 2C5 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives our entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all provisionals, divisionals, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue, and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns, and legal representatives to obtain and enforce proper protection for said invention in all countries.

We further authorize and direct the ASSIGNEE's attorneys to insert below* the serial number and filing date of said application now identified as Docket No. 058161-000060USP1 as soon as the same shall have been made known to them by the United States Patent Office.

*Serial Number: 14/245,203 Filing Date: April 4, 2014

Page 1 of 3

ASSIGNMENT

Atty. Docket No. 058161-000060USP1

Executed this $\frac{23}{}$ day of $\frac{64}{}$, 2014.

Name: Gholamreza Reza Chaji

Witnessed by:

Customer No.: 70001

Page 2 of 3

14924654.1

ASSIGNMENT

Auy. Docket No. 058161-000060USP1

Customer No.: 70001

Executed this 2 day of Arril, 2014.

Name: Maryam Moradi

Witnessed by:

Page 3 of 3

14924654.1

RECORDED: 04/04/2014