

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4710759

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AROKIA NATHAN	10/22/2009
GHOLAMREZA CHAJI	10/22/2009
STEFAN ALEXANDER	10/23/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IGNIS INNOVATION INC.
<b>Street Address:</b>	50 BATHURST DRIVE
<b>Internal Address:</b>	UNIT 12
<b>City:</b>	WATERLOO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N2V 2C5
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15827015
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)977-4405
<i>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.</i>	
<b>Phone:</b>	312-977-4400
<b>Email:</b>	smonreal@nixonpeabody.com
<b>Correspondent Name:</b>	NIXON PEABODY LLP
<b>Address Line 1:</b>	70 WEST MADISON STREET, SUITE 3500
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60602
<b>ATTORNEY DOCKET NUMBER:</b>	058161-30USC3
<b>NAME OF SUBMITTER:</b>	JUSTIN D. SWINDELLS
<b>SIGNATURE:</b>	/Justin D. Swindells/
<b>DATE SIGNED:</b>	11/30/2017
<b>Total Attachments: 5</b>	
source=058161_30USC3 - Assignment#page1.tif	
source=058161_30USC3 - Assignment#page2.tif	
source=058161_30USC3 - Assignment#page3.tif	

source=058161\_30USC3 - Assignment#page4.tif

source=058161\_30USC3 - Assignment#page5.tif

## ASSIGNMENT

Whereas Arokia NATHAN, G. Reza CHAJI and Stefan ALEXANDER (hereinafter "the Assignors"), whose full post office addresses are 189 Huntingdon Road, Cambridge, United Kingdom, CB3 0DL; 463 Kelso Drive, Waterloo Ontario N2V 2S3 Canada, and 601 East Bridge Blvd., Waterloo, Ontario N2K 4C1 Canada respectively, have made one or more inventions which are the subject of United States Patent Application 12/425,734 filed on April 17, 2009 and entitled **System and Driving Method for Light Emitting Device Display** (hereinafter "the Patent Application");

Whereas Ignis Innovation Inc. (hereinafter "the Assignee"), whose full post office address is 22 Frederick Street, Suite 1020, Kitchener, Ontario N2H 6M6, is desirous of acquiring the whole right, title and interest in and to the Patent Application, and the invention or inventions described therein;

Now therefore, in consideration of ten dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignors hereby sell, assign and transfer to the Assignee, all their right, title and interest, in Canada, the United States and all other countries and jurisdictions throughout the world, in and to the Patent Application, and the invention or inventions described therein, and all divisions and continuations thereof, including their corresponding right to claim priority from the Patent Application in any country or jurisdiction, including their right to make national entries under the Patent Cooperation Treaty, including all their corresponding right, title and interest in and to any Patents which may issue therefrom, including all reissues, renewals and extensions thereof, and including all right to sue for past infringement thereunder, all the said Patents to be held and enjoyed by the said Assignee to the full end of the term for which the said Patents are granted, as fully and entirely as the said Patents could have been held and enjoyed by the said Assignors if this Assignment had not been made;

And the Assignors hereby covenant and agree without further consideration, to communicate with Assignee, its successors and assigns, any facts known respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and

countries and jurisdictions throughout the world, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

And the Assignors hereby covenant that they have the full right to convey the interest assigned by this Assignment, and have not executed and will not execute any agreement in conflict with this Assignment;

And the Assignors and the Assignee hereby authorize the firm of Gowling Lafleur Henderson LLP, whose full post office address is 160 Elgin Street, Suite 2600, Ottawa, Ontario K1P 1C3, Canada, to correct errors in this Assignment, or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any Patent Office.

SIGNED at Cambridge, UK, this 22<sup>nd</sup> day of Oct., 2009  
(City/Town) (Country) (Date) (Month) (Year)

[Signature]  
(Signature of Witness)

Arokia Nathan

Handanese Basdeo  
(Name of Witness: Please Print or Type)

[Signature]  
(Signature of Assignor)

SIGNED at \_\_\_\_\_, \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
(City/Town) (Country) (Date) (Month) (Year)

G. Reza Chaji

\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Name of Witness: Please Print or Type)

\_\_\_\_\_  
(Signature of Assignor)

enforce proper patent protection for this invention in Canada, the United States and all other countries and jurisdictions throughout the world, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

And the Assignors hereby covenant that they have the full right to convey the interest assigned by this Assignment, and have not executed and will not execute any agreement in conflict with this Assignment;

And the Assignors and the Assignee hereby authorize the firm of Gowling Lafleur Henderson LLP, whose full post office address is 160 Elgin Street, Suite 2600, Ottawa, Ontario K1P 1C3, Canada, to correct errors in this Assignment, or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any Patent Office.

SIGNED at \_\_\_\_\_, \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
(City/Town) (Country) (Date) (Month) (Year)

Arokia Nathan

\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Name of Witness: Please Print or Type)


\_\_\_\_\_  
(Signature of Assignor)

SIGNED at Windsor, Canada, this 22 day of October, 2009.  
(City/Town) (Country) (Date) (Month) (Year)

G. Reza Chaji

  
(Signature of Witness)

J. Marcel Dionne  
(Name of Witness: Please Print or Type)

  
(Signature of Assignor)

SIGNED at Kitchener, Canada, this 23 day of October, 2009.  
(City/Town) (Country) (Date) (Month) (Year)

[Signature]  
(Signature of Witness)

Stefan Alexander

J. Marcel Dionne  
(Name of Witness: Please Print or Type)

[Signature]  
(Signature of Assignor)

The undersigned Assignee hereby accepts this Assignment.

SIGNED at \_\_\_\_\_, \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
(City/Town) (Country) (Date) (Month) (Year)

Ignis Innovation Inc.

\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Signature of Authorized Signing Officer)

\_\_\_\_\_  
(Name of Witness: Please Print or Type)

\_\_\_\_\_  
(Name of Authorized Signing Officer: Please Print or Type)

\_\_\_\_\_  
(Title of Authorized Signing Officer: Please Print or Type)

SIGNED at \_\_\_\_\_, \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
(City/Town) (Country) (Date) (Month) (Year)

Stefan Alexander

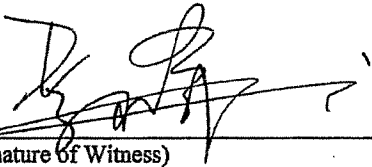
\_\_\_\_\_  
(Signature of Witness)

\_\_\_\_\_  
(Name of Witness: Please Print or Type)

\_\_\_\_\_  
(Signature of Assignor)

The undersigned Assignee hereby accepts this Assignment.

SIGNED at Montreal, Canada, this 11 day of November, 2009.  
(City/Town) (Country) (Date) (Month) (Year)

  
\_\_\_\_\_  
(Signature of Witness)

FENG LI  
(Name of Witness: Please Print or Type)

Ignis Innovation Inc.

  
\_\_\_\_\_  
(Signature of Authorized Signing Officer)

PAUL ARSENAULT  
(Name of Authorized Signing Officer: Please Print or Type)

President & CEO  
(Title of Authorized Signing Officer: Please Print or Type)