

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Arokia Nathan</td><td>11/22/2001</td></tr><tr><td>Karim S. Karim</td><td>10/31/2001</td></tr><tr><td>Nitin Mohan</td><td>11/01/2001</td></tr></tbody></table>	Name	Execution Date	Arokia Nathan	11/22/2001	Karim S. Karim	10/31/2001	Nitin Mohan	11/01/2001	
Name	Execution Date								
Arokia Nathan	11/22/2001								
Karim S. Karim	10/31/2001								
Nitin Mohan	11/01/2001								
RECEIVING PARTY DATA									
Name:	Ignis Innovations Inc.								
Street Address:	32 Adam Street								
City:	Cambridge, Ontario N3C 2K2								
State/Country:	CANADA								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10487034</td></tr></tbody></table>	Property Type	Number	Application Number:	10487034					
Property Type	Number								
Application Number:	10487034								
CORRESPONDENCE DATA									
Fax Number: (216)579-6073 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	GOWL-36448								
NAME OF SUBMITTER:	John P. Murtaugh								
Total Attachments: 3 source=SCANNEDASSIGNMENT1#page1.tif source=SCANNEDASSIGNMENT1#page2.tif									

CH \$40.00 10487034

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PATENT  
REEL: 019807 FRAME: 0295



## ASSIGNMENT

Whereas Arokia Nathan, Karim S. Karim and Nitin Mohan (hereinafter "the Assignors"), whose full post office addresses are 55 Culpepper Drive, Waterloo, Ontario N2L 3G1, Canada; 1320-80 Mooregate Crescent, Kitchener, Ontario N2M 5G1, Canada and 1101-159 University Avenue West, Waterloo, Ontario N2L 3E8, Canada, respectively, have made an invention which is the subject of a Canadian Patent Application Serial No. 2,355,067 filed on August 15, 2001 and entitled Metastability Insensitive Integrated Thin Film Multiplexer (hereinafter "the Patent Application");

Whereas Ignis Innovations Inc. (hereinafter "the Assignee"), whose full post office address is 32 Adam Street, Cambridge, Ontario N3C 2K2, Canada, 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 one dollar (\$1.00), 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 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;

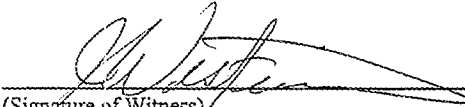
And the Assignors hereby covenant and agree without further consideration, to communicate with Assignee, its successors and assigns, any facts known respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers 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 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 Waterloo, Canada, this 22<sup>nd</sup> day of November, 2001.  
(City/Town) (Country) (Date) (Month) (Year)

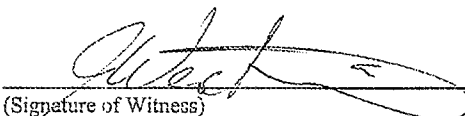
  
(Signature of Witness)

JONATHAN WESTEINDE  
(Name of Witness: Please Print or Type)

Arokia Nathan

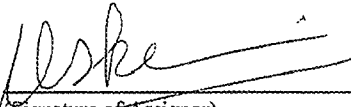
  
(Signature of Assignor)

SIGNED at WATERLOO, CANADA, this 31<sup>st</sup> day of OCTOBER, 2001.  
(City/Town) (Country) (Date) (Month) (Year)

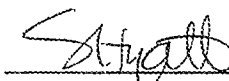
  
(Signature of Witness)

JONATHAN WESTEINDE  
(Name of Witness: Please Print or Type)

Karim S. Karim

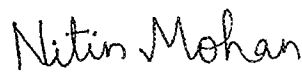
  
(Signature of Assignor)

SIGNED at WATERLOO, CANADA, this 01 day of NOVEMBER, 2001.  
(City/Town) (Country) (Date) (Month) (Year)

  
(Signature of Witness)

Suzanne Hyatt  
(Name of Witness: Please Print or Type)

Nitin Mohan

  
(Signature of Assignor)

The undersigned Assignee hereby accepts this Assignment.

SIGNED at Waterloo, Canada, this 22nd day of November, 2001.  
(City/Town) (Country) (Date) (Month) (Year)

[Signature]  
(Signature of Witness)

LONGTHAN WESTERLUND  
(Name of Witness: Please Print or Type)

Ignis Innovations Inc.

[Signature]  
(Signature of Authorized Signing Officer)

ARONIA NATHAN  
(Name of Authorized Signing Officer: Please Print or Type)

CHIEF TECHNICAL OFFICER  
(Title of Authorized Signing Officer: Please Print or Type)