

IN THE UNITED  
COVER SHEET

07-16-2003



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MARK OFFICE  
T (PATENT)

PATENT  
16447 U.S. PAT. & TM. OFF.  
10/610145  
06/30/03

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Atty. Docket No. CMA-0005-P

Sir:

Pursuant to 37 C.F.R. 3.31, enclosed herewith is a document for recordal in this case. The following information is provided:

- (1) **Name Of Party Conveying The Interest:** *6.30-03*  
Johan M. Grundlingh, co-inventor  
5313 Carp Road, R.R.#2  
Kinburn, Ontario, Canada K02 2H0
- (2) **Name And Address Of Party Receiving The Interest:**  
IceFyre Semiconductor Corporation  
a corporation of Canada  
411 Legget Drive, Suite 300  
Kanata, Ontario, Canada K2K 3C9
- (3) **Description Of The Transaction To Be Recorded:** An Assignment *10610145*
- (4) **Application(s) and/or Patent(s) Against Which Enclosure Is To Be Recorded:**  
☒ patent application filed concurrently herewith and entitled  
"SWITCHED-MODE AMPLIFIER INTEGRALLY PERFORMING POWER COMBINING"
- (5) **Name And Address Of The Party To Whom Correspondence Concerning The Request To Record Should Be Mailed:**  
Robert S. Nolan  
Cantor Colburn LLP  
201 W. Big Beaver Road, Suite 370  
Troy, Michigan 48084-4116
- (6) **Number Of Applications and/or Patents Identified In The Cover Sheet And Total Recordal Fee:**  
Number of Applications/Patents: One  
Total Recordal Fee Enclosed: \$40.00
- (7) **Date(s) The Document Was Executed:** June 24, 2003

To the best of my knowledge and belief, the foregoing information is true and correct. If, for some reason, Applicants have/has not paid a sufficient fee, please charge our Deposit Account No. 06-1130 for any further fees which may be due. A duplicate copy of this document is enclosed.

Date: June 30, 2003

Respectfully submitted,

By: Robert S. Nolan

Robert S. Nolan, Reg. No. 30,667  
Attorney for Applicant

CANTOR COLBURN LLP  
201 W. Big Beaver Road, Suite 370  
Troy, Michigan 48084-4116  
Phone: 248-524-2300  
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PATENT  
REEL: 014259 FRAME: 0473

ASSIGNMENT

THIS ASSIGNMENT, made by **Johan M. Grundlingh** (hereinafter referred to as the assignor) whose post office address is, 5313 Carp Road, R.R. #2, Kinburn, Ontario, K0A 2H0, Canada;

WHEREAS, the said assignor is a co-inventor of the continuation-in-part subject matter of the invention entitled **SWITCHED-MODE POWER AMPLIFIER INTEGRALLY PERFORMING POWER COMBINING** and holds the right to file patent application(s) therefor and to obtain patent(s) thereon, which invention is the subject of a U.S. continuation-in-part patent application, based on a parent U.S. patent application Serial No. 10/004,703 filed on 3 December, 2001, the declaration for which has been executed by the assignor on the same date of his execution of this Assignment;

WHEREAS, **IceFyre Semiconductor Corporation**, a corporation duly organized under and pursuant to the laws of Canada, having its principal place of business at Suite 300, 411 Legget Drive, Kanata, Ontario, K2P 1L5, Canada, hereinafter referred to as the assignee, employed said assignor at the time of the making of said invention, which was made during the course of the assignor's fulfillment of his duties of employment, and is entitled to all benefits and rights of said assignor in respect of said invention. By this Assignment the assignor is desirous of establishing formal confirmation and acquisition of the assignor's entire right, title and interest in and to said invention, said patent applications and the patents to issue therefrom and all other patent applications which may have been or may be filed in any country;

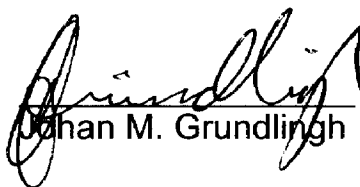
NOW THEREFORE, in consideration of said employment including monetary amounts paid in respect thereof, the receipt of which is hereby acknowledged, the said assignor has sold, assigned, transferred and set over, and by these presents sells, assigns, transfers and sets over unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned continuation-in-part invention and application for Patent and any and all corresponding applications and patents in the United States of America, Canada and any and all other countries, which have been or may be filed and/or granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, reissues and extensions of Patent, and all rights under any International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for itself and its successors, legal representatives and assigns, to the full end of the term or terms for which Patent(s) may be or may have been granted.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the said assignee, its successors, legal representatives and assigns, that, at the time of execution and deliver of these presents, the said assignor is an inventor of the said invention;

AND for the same consideration, the said assignor hereby covenants and agrees to and with the said assignee, its successors, legal representatives and assigns that the said assignor will, whenever counsel for the said assignee, or the counsel for its successors, legal representatives and assigns shall advise that any proceeding in connection with the said invention, or said applications for Patent(s) or any proceeding in connection with Patent(s) for said invention in any country, including interference or conflict proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Patent(s) or any reissue or extension of any Patent(s) to be obtained thereon, is lawful and desirable, sign any and all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defence of Patent(s) or for the said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

The undersigned assignor, and the assignee hereto, hereby authorize the firm of **Cassan Maclean** whose full office address is 401-80 Aberdeen Street, Ottawa, Ontario, Canada K1S 5R5, to correct clerical errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in a domestic or foreign Office.

SIGNED at Ottawa, Ontario, this ~~20~~ day of June, 2003.

  
Johan M. Grundlingh

#### STATEMENT OF WITNESS

I, *Jung Kee*, whose full post office address is *3 Binning Court, Kanata  
Ontario Canada K2K 1B2*

was personally present and did see Johan M. Grundlingh, who is known to me, execute the above assignment.

  
(signature of witness)