

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>MADHAVAN SWAMINATHAN</td><td>12/22/2006</td></tr><tr><td>PRATHAP MUTHANA</td><td>12/13/2006</td></tr><tr><td>EGE ENGIN</td><td>12/18/2006</td></tr><tr><td>KRISHNA SRINIVASAN</td><td>12/15/2006</td></tr></tbody></table>	Name	Execution Date	MADHAVAN SWAMINATHAN	12/22/2006	PRATHAP MUTHANA	12/13/2006	EGE ENGIN	12/18/2006	KRISHNA SRINIVASAN	12/15/2006	
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RECEIVING PARTY DATA											
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Postal Code:	30332-0415										
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>11523270</td></tr></tbody></table>	Property Type	Number	Application Number:	11523270							
Property Type	Number										
Application Number:	11523270										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	CAROL REEDER										

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PATENT
REEL: 019027 FRAME: 0832

ASSIGNMENT

We, the undersigned

**MADHAVAN SWAMINATHAN, EGE ENGIN, PRATHAP
MUTHANA, KRISHNA SRINIVASAN**

Hereby declare that

We are the true and first inventors of an invention entitled


**A PACKAGE HAVING AN ARRAY OF EMBEDDED CAPACITORS FOR
POWER DELIVERY AND DECOUPLING OF HIGH SPEED INPUT/OUTPUT
CIRCUIT AND METHODS OF FORMING THEREOF**


and which is disclosed in United States Patent Application No. 11/523,270 filed on **September 19, 2006** (and which is identified as Case Number **EL0629USNA**).


For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

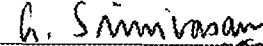
I. Sell, assign, and transfer unto **GEORGIA TECH RESEARCH CORPORATION**, a Georgia corporation organized and existing under the laws of the State of Georgia in the United States of America and having its principal place of business at 505 Tenth Street, N.W., Georgia Institute of Technology, Atlanta, Georgia 30332-0415, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) to file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

 (L.S.)
MADHAVAN SWAMINATHAN
DATE: 12/22/06

 (L.S.)
EGE ENGIN
DATE: 12/18/2006

 (L.S.)
PRATHAP MUTHANA
DATE: 12/13/06

 (L.S.)
KRISHNA SRINIVASAN
DATE: 12/15/06

PATENT

RECORDED: 03/19/2007

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