

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tetsuo Sato</td> <td>08/09/2005</td> </tr> <tr> <td>Nobuyoshi Matsuura</td> <td>08/03/2005</td> </tr> </tbody> </table>		Name	Execution Date	Tetsuo Sato	08/09/2005	Nobuyoshi Matsuura	08/03/2005
Name	Execution Date						
Tetsuo Sato	08/09/2005						
Nobuyoshi Matsuura	08/03/2005						
RECEIVING PARTY DATA							
Name:	Renesas Technology America, Inc.						
Street Address:	450 Holger Way						
City:	San Jose						
State/Country:	CALIFORNIA						
Postal Code:	95134						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11044950</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11044950		
Property Type	Number						
Application Number:	11044950						
CORRESPONDENCE DATA							
Fax Number:	(650)843-3215						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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Email:	vbhakar@ssd.com						
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Total Attachments: 2 source=Appl Ser No 11-044950 - Executed Assignment#page1.tif source=Appl Ser No 11-044950 - Executed Assignment#page2.tif							

CH \$40.00 11044950

ASSIGNMENT

(1-8) *Insert Name(s) of Inventor(s)*

(1) Tetsuo SATO (2) Nobuyoshi MATSUURA

(3) _____ (4) _____

(5) _____ (6) _____

(7) _____ (8) _____

For good and valuable consideration receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to:

(9) *Insert name of Assignee* (9) Renesas Technology America, Inc.

(10) *Insert state of incorporation of Assignee* (10) California

(11) *Insert address of Assignee* (11) of 450 Holger Way, San Jose, CA 95134
 (hereinafter designated as the Assignee) the entire worldwide right, title, interest, and patent applications and patents for every country, including divisions, reissues, continuations and all other extensions, rights and priorities in the invention known as and subject matter contained in

(12) *Insert Identification of Invention, such as Title, Case Number or Foreign Application Number* (12) CURRENT SENSING CIRCUIT FOR A MULTI-PHASE DC-DC CONVERTER
 (Case No. 43496.00016, Serial No. 11/044,950 for which the undersigned has (have) executed an application for patent in United States of America

(13) *Insert Date of Signing of Application* (13) on January 23, 2005

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or division applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) *The undersigned hereby grant(s)*

Marc A. Sockol, Reg. No. 40,823; Vidya R. Bhakar, Reg. No. 42,323; Cameron K. Kerrigan, Reg. No. 44,826; David B. Abel, Reg. No. 32,394; Nathan Lane III, Reg. No. 43,738; Michael A. Lechter, Reg. No. 27,350; David E. Rogers, Reg. No. 38,287; William R. Bachand, Reg. No. 34,980; Aaron Wininger, Reg. No. 45,229; Paul J. Meyer 47,791; Douglas H. Goldhush, Reg. No. 33,125; Kevin F. Turner, Reg. No. 43,437; Charles E. Runyan, Reg. No. 43,066; Allen J. Moss, Reg. No. 38,567; Sung L. Oh, Reg. No. 45,583; Zhaoyang Li, Reg. No. 46,872; Brian S. Boyer, Reg. No. 52,643; Mark Lupkowski, Reg. No. 49,010; William F. Nixon, Reg. No. 44,262; and Donnie L. Kidd, Reg. No. 50,285.

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date Aug. 9th, 2005



Tetsuo SATO

Date Aug. 3, 2005



Nobuyoshi MATSUURA