

U.S. PTO  
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09/14/2007

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

09-24-2007



To the Director of the U.S. Patent

103447580

and documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Juha Pennanen  
Pasi Salmi

Execution Date(s) September 13, 2007, respectively

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: National Semiconductor Corporation

Internal Address: \_\_\_\_\_

Street Address: 2900 Semiconductor Drive

City: Santa Clara

State: California

Country: U.S.A. Zip: 95051

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

09/17/2007 HLE333 00000044 11900977

05 FC:8021

40.00 OP

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Docket Clerk

Internal Address: P.O. Drawer 800889

Street Address: \_\_\_\_\_

City: Dallas

State: Texas Zip: 75380

Phone Number: (972) 628-3600

Fax Number: (972) 628-3616

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 50-0208

Authorized User Name William A. Munck

9. Signature: William A. Munck

September 14, 2007

Signature

Date

William A. Munck\Reg. No. 39,308

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 019882 FRAME: 0117

## ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
P06954

Whereas, I/We, Juha Pennanen of Oulu, Finland, hereafter referred to as applicant, have invented certain new and useful improvements in SYSTEM AND METHOD FOR PROVIDING ADAPTIVE VOLTAGE SCALING WITH MULTIPLE CLOCK DOMAINS INSIDE A SINGLE VOLTAGE DOMAIN

☐ for which an application for a United States Patent was filed on \_\_\_\_\_  
Application Number \_\_\_\_\_

☒ for which an application for a United States Patent was executed on SEPT. 13, 2007, and

Whereas, National Semiconductor Corporation of Santa Clara, California here referred to "assignee" whose mailing address is 2900 Semiconductor Drive is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of Two dollars (\$ 2.00), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 13th day of September, 20 07  
at Oulu, Finland

  
Signature

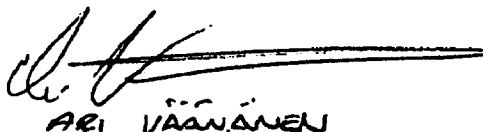
State of \_\_\_\_\_ )  
County of Finland ) SS: Juha Pennanen  
Printed Name/Registration No., if applicable

Before me personally appeared said Juha Pennanen

and acknowledged the foregoing instrument to be his free act and deed this 13th  
day of September, 20 07

Seal

  
Tero Peltola

  
ARI VÄÄNÄNEN

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

☒ Total of 2 forms are submitted.

This form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.

## ASSIGNMENT OF APPLICATION

Docket Number (Optional)

P06954

Whereas, I/We, Pasi Salmi of Kemi, Finland, hereafter referred to as applicant, have invented certain new and useful improvements in SYSTEM AND METHOD FOR PROVIDING ADAPTIVE VOLTAGE SCALING WITH MULTIPLE CLOCK DOMAINS INSIDE A SINGLE VOLTAGE DOMAIN

☐ for which an application for a United States Patent was filed on \_\_\_\_\_  
Application Number \_\_\_\_\_

☒ for which an application for a United States Patent was executed on SEPT. 13, 2007, and

Whereas, National Semiconductor Corporation of Santa Clara, California here referred to "assignee" whose mailing address is 2900 Semiconductor Drive is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of Two dollars (\$ 2.00), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 13th day of September, 20 07  
at Kemi, Finland



Signature

State of \_\_\_\_\_

Pasi Salmi



SS:

Printed Name/Registration No., if applicable

County of FinlandBefore me personally appeared said Pasi Salmi

and acknowledged the foregoing instrument to be his free act and deed this 13th  
day of September, 20 07

Seal

  
Satu Valkonen
  
Petteri Saari

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below\*.

☒ Total of 2 forms are submitted.

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PATENT

RECORDED: 09/14/2007

REEL: 019882 FRAME: 0119