

FORM PTO-1595 1024601	55 U.S. DEPARTMENT OF COMMERCE				
(Rev. 10/02) Patent and Trademark Office Patent and Trademark Office PATENTS ONLY					
To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:					
Name of Conveying Party(ies):	2. Name and address of receiving party(ies):				
Nobuyuki KOKUBO, Akira HOSOGANE, and Hidemoto	Name: RENESAS TECHNOLOGY CORP.				
TOMITA	2				
5_21-03	Address: 4-1, Marunouchi 2-chome,				
Additional name(s) of conveying party(ies) attached? Yes No	Chiyoda-ku,				
3. Nature of Conveyance:	Tokyo 100-6334 JAPAN				
X Assignment ☐ Merger					
Security Agreement Change of Name	or 🚟				
Other					
Execution Date: April 16, 2003					
• ′	Additional name(s) & address(es) attached? Yes No				
4. Application number(s) or patent number(s):	42132				
If the document is being filed together with a new application, the e	execution date of the application is: April 16, 2003				
A Patent Application No(s).	B. Patent No(s).				
Additional numbers attached? Yes No					
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:				
concerning document should be mailed:					
Name: MCDERMOTT, WILL & EMERY	7. Total fee (37 CFR 3.41) \$40.00				
nternal Address:	☐ Enclosed				
	Authorized to be charged to deposit account				
Street Address: 600 13th Street, N.W.	8. Deposit account number:				
	500417				
City: Washington State: D. C. Zip: 20005-3096					
DO NOT USE THIS SPACE					
9. Statement and signature.					
To the best of my knowledge and belief, the foregoing informa	ation is true and correct and any attached copy is a true copy				
of the original document.					
	2 1.				
Stephen A. Becker, 26,527	322kl May 21, 2003				
Name and Registration No. of Person Signing	Signature Date				
To	otal number of pages including cover sheet: 1				
OMB No. 0651-0027 (exp. 6/30/2005)					

05/29/2003 GTON11 00000147 500417 10442132

01 FC:8021 40.00 CH

PATENT REEL: 014107 FRAME: 0132 Attorney Docket No.:

ASSIGNMENT

WHEREAS, ₋	Nobuyuki KOKUBO,	Akira	HOSOGANE	and
Hidemoto TOMIT	A			
hereinafter called the entitled <u>SEMICONDU</u>	e "Assignors," have joi CTOR CIRCUIT DEV	intly inve	nted a new PABLE OF	and useful invention
DECODING				, for which he has:
(a)	filed an application for			ers Patent on); or
(p)	executed an application April 16, 2003		ited States	Letters Patent on
	filed a provisional app as (Serial No			; and

WHEREAS, <u>Renesas Technology Corp.</u>, a corporation organized and existing under the laws of <u>Japan</u>, having a place of business at: <u>4-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-6334 JAPAN</u>, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

PATENT REEL: 014107 FRAME: 0133 And the said Assignors do hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery 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.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set his hands and affixed his seal.

Date: April 16, 2003	Nobuyuki Kokubo
(Seal)	Nobuyuki KOKUBO
Date: April 16, 2003	Akwa Hososavo
(Seal)	Akira HOSOGANE
Date: April 16, 2003	Hidemoto Tomita
(Seal)	Hidemoto TOMITA
Date:(Seal)	