FORM PTO-1595 (Rev. 6-93)	10-08-2003	SHEET	U.S. DEPARTMENT OF COMMERC
OMB No. 0651-0011 (yxp. 4/94)		$\mathbf{Y} = \mathbf{Q} \cdot \mathbf{\gamma}$	Patent and Trademark Offic
To the Honorable Commissioner of 1. Name of conveying party(ies):	102570415	2. Name and address of red	iginal documents or copy thereof.
r. Name or conveying partyles).			
Hitachi, Ltd.	SEP 2 6 2003	Name: Renesas T	echnology Corporation
		Internal Address:	
Additional name(s) of conveying party(les) attached?	Yes AFMARW		
3. Nature of conveyance:		<u></u>	
☐ Assignment ☐	Merger	Street Address: $\frac{4-1}{1}$	Marunouchi 2-Chome
Security Agreement	Change of Name	Chiyoda-ku, To	kyo, Japan
Other		City:	State: ZIP:
Execution Date: September	12, 2003	Additional name(s) & address(es) at	tached? Yes No
Application number(s) or patent number			
If this document is being filed together		, the execution date of the app	olication is:
A. Patent Application No.(s)		B. Patent No.(s)	
09/493,080; 09/78 09/790,978	3,605;		
	Additional numbers atta	ched? Yes X No	
	Additional numbers attain	Clied? Ca , co [22] to	
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:	
Name: Antonelli, Terry, S	tout & Kraus	7. Total fee (37 CFR 3.41)	\$ 120.00
Internal Address:		TVI England	
		Enclosed (Exc	ress Fees)
		Authorized to be cha	rged to deposit account
Street Address: 1300 N. Sevente	eenth St.		
Suite 1800		8. Deposit account number:	
	177 22200	01-2135	
City: Arlington State:	: <u>VA</u> ZIP: 22209		his page if paying by deposit account)
	DO NOT	USE THIS SPACE	
9. Statement and signature.			
To the best of my knowledge and beli	ief, the foregoing inform	nation is true and correct and a	ny attached copy is a true copy of
the original document. Melvin Kraus	1	lu de Rum	9-26-03
Name of Person Signing		Signature	Date
		over sheet, attachments, and docume	nt: 13
	Commissioner of Patents & 1	n required cover sheet information to: Trademarks, Box Assignments n, D.C. 20231	
10/07/2003 JJALLAN2 00000013 09493080	_	PTO1595Recordation Form Cover She	et - page 1 of 3)
01 FC:8021 120.00) OP		

PATENT REEL: 014559 FRAME: 0812 **ASSIGNMENT**

WHEREAS, Hitachi, Ltd. and Hitachi Tobu Semiconductor Ltd. are joint owners, by assignment, of

the following applications for Letters Patent of the United States of America:

Listed In Attachment AN05

WHEREAS, Renesas Technology Corporation, a corporation organized under the laws of Japan,

having its place of business at 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan and is desirous of

acquiring the right, title and interest in, to and under the said applications for Letters Patents, and the

inventions covered thereby, as now owned by Hitachi, Ltd., and thereby become a joint owner with Hitachi

Tobu Semiconductor Ltd.,

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is

hereby acknowledged, the said Hitachi, Ltd. has sold, assigned, transferred and set over and does hereby

sell, assign, transfer and set over to the said Renesas Technology Corporation, its entire right, title and

interest in the said inventions, said applications for Letters Patents and any Letters Patents which may

be granted thereon, and any reissue or reissues of said Letters Patents which may be granted, the same

to be held and enjoyed by said Renesas Technology Corporation for its own use and enjoyment, and for

the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term

for which said Letters Patents of the United States are granted or reissued as fully and entirely as the

same would have been held and enjoyed by the said Hitachi, Ltd., if this assignment and sale had not been

made.

Hitachi, Ltd.

September 12, 2003

Date:

By: Yasuo SAKUTA, Patent Attorney

Title: Executive Officer,

Intellectual Property Group (Authorized Signing Officer)

Attachment: AN05

No.	US SERIAL NUMBER	US FILING DATE
1,	09/493080	2000.01.28
2,	09/783605	2001.02.15
3,	09/790978	2001.02.23