

Atty. Docket No.: 2565-0240P

PE	Page 1 of 2			
RECC 101	941621			
191 8 Sport 2				
Please record the attached original documents or copy thereof.				
1. Name of conveying party(res).	2. Name and address of receiving party(ies)			
[LAST NAME (ALL CAPS), First Name]	Name: MITSUBISHI DENKI KABUSHIKI KAISHA			
MATSUI, Mitsuru	Internal Address:			
TOKITA, Toshio	Street Address: 2-3, Marunouchi 2-chome, Chiyoda-ku			
NAKAJIMA, Junko - 8 -0 2	City: Tokyo State: ZIP:			
KANDA, Masayuki	Country: Japan Postal Code: 100-8310			
Additional name(s) of conveying party(ies) attached? XES NO	Additional name(s) & address(es) attached? XES NO			
3. Nature of conveyance:				
Security Agreement Change of Name				
Other:				
Execution Date: October 11, 2001 and October 25, 2001				
4. Application number(s) or patent number(s):				
If this document is being filed together with a new application, t	the execution date of the application is: October 25, 2001			
A. Patent Application No(s).	B. Patent No.(s).			
09/959,853				
Additional numbers atta	ched? YES NO			
5. Name and address of party to whom correspondence	6. Total No. of applications/patents involved: one (1)			
concerning document should be mailed:	7. Total fee (37 C.F.R. § 3.41): \$40.00			
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	⊠ Enclosed			
Street Address: P.O. BOX 747 City: FALLS CHURCH State: VA ZIP: 22040-0747	Authorized to be charged to deposit account, if no fee attached.			
Country: USA	8. Deposit account number: <u>02-2448</u>			
	(Attach triplicate copy of this page if paying by deposit account)			
DO NOT US	E THIS SPACE			
9. Statement and signature.	12/1//			
To the best of my knowledge and belief, the foregoing copy of the original document.	information is true and correct and any attached copy is a true			
Michael V. Mutter #20 690	January 8, 2002			
Michael K. Mutter, #29,680 Name of Person Signing/Reg. No.	Signature Date			
Total number of pages including cover s	sheet, attachments, and document: four (4)			

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(Rev. 12/10/01)

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Attachment to RECORDATION FORM COVER SHEET			
Continuation of Box 1Name of conveying party(ies): [LAST NAME (ALL CAPS), First Name] MORIAI, Shiho AOKI, Kazumaro			
Continuation of Box 2Name and address of receiving party(ies): NIPPON TELEGRAPH AND TELEPHONE CORPORATION 3-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO 100-0004 JAPAN			
Continuation of Box 4Application number(s) or patent number(s):			

PATENT REEL: 012434 FRAME: 0914 BIRCH, STEWART, KOLASCH & BIRCH, LLP United States Patent Rights, or United States plus All Foreign Patent Rights

ATTORNEY	DOCKET NO.
256	5-0240P

ASSIGNMENT

	Application No. 09/959, 853 Filed 11/9/01
nsert Name(s) of nventor(s)	WHEREAS, <u>Mitsuru Matsui, Toshio Tokita, Junko Nakajima,</u> Masayuki Kanda, Shiho Moriai, and Kazumaro Aoki
nsert Title of Invention	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in Block Cipher Apparatus Using Auxiliary Transformation
insert Date of Signing of Application	for which an application for Letters Patent of the United States of America has been executed by the undersigned on October 11, 2001 and October 25, 2001; and
insert Name of Assignee	WHEREAS, Mitsubishi Denki Kabushiki Kaisha of 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan
Insert Address of Assignee	and Nippon Telegraph and Telephone Corporation of 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 Japan Its heirs, successors, legal representatives and the assigns (hereinafter designated as the Assignee) is desirous of
	acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the
CHECK ONE BOX	 (1) ☑ United States of America only, or (2) ☐ United States of America and any and all foreign countries
	NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in:
	1. the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, if box (1) above is designated; or
	2. the United States of America, its territories, dependencies and possessions and in any and all foreign countries and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions and in any and all foreign

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the

countries, if box (2) above is designated;

same may be granted.

PATENT REEL: 012434 FRAME: 0915 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

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

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and/or any and all 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, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch and Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

RECORDED: 01/08/2002

Date _	Ct 11, 2001, Name of Inventor_			(SEAL)
Date _	O_{ct} //, $2vv$ /, Name of Inventor	Joshio Je	e) Mitsuru Matsui kitu e) Toshio Tokita	(SEAL)
Date _	Cc+11, 2001, Name of Inventor	Junko Nak		(SEAL)
Date _	Oct 25. 200/, Name of Inventor_		,	(SEAL)
	Oct 25, 2001, Name of Inventor_	Shiho Mi		(SEAL)
Date _	Oct 25, 2001, Name of Inventor_		Art. e) Kazumaro Aoki	(SEAL)
	The execution by the Inventor(s) of this assignment	ent may be witnessed by at le	east two persons who sign here	e.
	Witness TATAL	spide		
	Witness <u>funishi</u>	ondo		

PATENT REEL: 012434 FRAME: 0916