07 - 09 - 2002 US DEPARTMENT OF COMMERCE					
(Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)	U.S. Patent and Trademark Office				
Tab settings ⇒ ⇒ ⇒ ▼ 1021476	§14, → →				
To the Honorable Commissioner of Patents and Trademarks: F	Please Record the attached original documents or copy thereof.				
1. Name of conveying tarty (lest Yoshifumi MATSUMOTO Yoshiaki MATSUTANI Kyouzou HAYASHI JUL 0 2 2002 Additional name of conveying party (lest) attached? Yes No	Name and address of receiving party(ies) Name: Sumitomo Electric Industries, Ltd. Internal Address:				
3. Nature of conveyance:	Charact Address E 22 Kitchess A shares				
	Street Address: 5-33, Kitahama 4-chome Chuo-ku, Osaka-shi, Osaka, JAPAN				
☐ Security Agreement ☐ Change of Name	City: State: Zip:				
Other					
Execution Date: 6/20/02; 6/19/02; 6/14/02, respectively	Additional Name(s) & address(es) attached? ☐ Yes ☒ No				
If this document is being filed together with a new application 6/14/02, respectively A. Patent Application No.(s) Additional numbers atta	n, the execution data of the application is: 6/20/02; 6/19/02; B. Patent No.(s) ached? □ Yes ☒ No				
Name and address of party to whom correspondence concerning this document should be mailed:	Total number of applications and patents involved:				
Name: Smith, Gambrell & Russell	7. Total fee (37 CFR 3.41) \$ 40				
Internal Address:					
05/2002 HMEBRAHT 00000054 10141770	☐ Authorized to be charged to deposit account				
Street Address: 1850 M Street, N.W. _Suite 800 City: Washington State: DC Zip: 20036	8. Deposit account number: 02-4300 (Attach duplicate copy of this page if paying by deposit account)				
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9. Statement and signature. To the best of my knowledge and belief, the foregoing informis a true copy of the original document. Michael A. Makuch Name of Person Signing	July 2, 2002 Signature Date				

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

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ATTORNEY DOCKET NO.

33035M096

ASSIGNMENT

	Application No. <u>10/141,770</u>	Filed 1	May	10,	2002
nsert Name(s)	→ WHEREAS, Yoshifumi MATSUMOTO, Yoshiaki MATSUTANI	and			
of Inventor(s)	Kyouzou HAYASHI	14. S			
	· · · · · · · · · · · · · · · · · · ·				
nsert Title of Invention	(hereinafter designated as the undersigned) has (have) invented certain new and useful FUNCTIONAL CONNECTOR	l improv	ement	ts in _	
nsert Date	for which an application for Letters Patent of the United States of America has been ex-	ecuted b	y the	under	signed
of Signing of Application	June 14, 2002, June 19, 2002 and June 20, 2002				; and
nsert Name of Assignee	⇒ WHEREAS, Sumitomo Electric Industries, Ltd.				
Insert Address of Assignee	→ of _5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka,	Japan			
CHECK BOX f appropriate	its heirs, successors, legal representatives and assigns (hereinafter designated as the acquiring the entire right, title and interest in and to said invention and in and to a may be granted therefor in the United States of America and in any and all foreign countries. NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to	any Lett	ers Pa	itent(:	s) that

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 does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in 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, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

PATENT REEL: 013053 FRAME: 0621 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 Letters 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) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional 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 Smith, Gambrell & Russell, 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).

-	June 20, 2002.	Name of Inventor Yoshifumi MATSUMOTO
Date	June 19, 2002.	Name of Inventor Yoshiaki MATSUTANI Yoshiaki MATSUTANI
		Name of Inventor Kyouzou HAYASHI
Date		Name of Inventor
Date	•	Name of Inventor
Date		Name of Inventor
Date		Name of Inventor
Date	•	Name of Inventor
Date		Name of Inventor

RECORDED: 07/02/2002

PATENT REEL: 013053 FRAME: 0622