

07-30-2002

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Reference: 500.41606X00

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

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1. Name of conveying party(ies): SHIBUYA, Hisae TAKAGI, Yuji Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies) Name: (1) HITACHI, LTD. Street Address: (1) 6, Kanda Surugadai 4-chome, Chiyodaku, Tokyo, Japan Name: (2) HITACHI, ELECTRONICS ENGINEERING CO., LTD	
3. Nature of conveyance: ☐ Assignment ☐ Security Agreement ☐ Other	Street Address: (2) F Nissei Ebisu Bldg., 16-3, Higashi 3- chome, Shibuya-ku, Tokyo, Japan	
Execution Date: July 10, 2002.		
4 Application and a second and	Additional name(s) & address(es) attached? ⊠ Yes ☐ No	
 Application number(s) or patent number(s): If this document is being filed together with a new application, the A. Patent Application No.(s) 10/119,018 Filed April 10, 2002 	execution date of the application is: B. Patent Registration No.(s)	
10/113,010 Filed April 10, 2002		
Additional number(s) attached ☐ Yes ☒ No		
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved	
Name: Antonelli, Terry, Stout & Kraus, LLP	7. Total fee (37 CFR 3.41)	
Internal Address:	Authorized to be charged to deposit account	
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Melvin Kraus, Reg# 22,466 O7/23/2002		
Name of Person Signing Signature Date		
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ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me a citizen of Japan by HITACHI, LTD., and Hitachi Electronics Engineering Co., Ltd., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and F Nissei Ebisu Bldg., 16-3, Higashi 3-chome, Shibuya-ku, Tokyo Japan., receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., and Hitachi Electronics Engineering Co., Ltd., their successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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*U.S. Serial No. 10/119,018 filed on April 10, 2002

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and Hitachi Electronics Engineering Co., Ltd., their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Hitachi Electronics Engineering Co., Ltd.

Signed on the date(s) indicated aside signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	/Lisae Shibuya Hisae SHIBUYA	7/10/02
2)	Juji Takagi	7/10/82_
3)		
4)		
5)		
6)		
7)		
8)		
9)		

PATENT REEL: 013123 FRAME: 0670

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