01-28-2002 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Modified) ET. (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) P08A/REV03 Tab settings → → → To the Honorable Commissioner of Paterns and Tradernarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Toshihiko TANAKA Name: Hitachi, Ltd. Masaharu KUBO 1-15-02 Takashi HATTORI Address: 6, Kanda Surugadai 4-chome ☐ Yes 🛛 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Merger ☒ Assignment _____ State/Prov.: Tokyo City: Chiyoda-ku ☐ Change of Name ☐ Security Agreement ZIP: Country: JAPAN ☐ Other Execution Date: Oct. 25 & Oct. 31, 2001 Additional name(s) & address(es) ☐ Yes M No 4. Application number(s) or patent numbers(s): 10, 045035 If this document is being filed together with a new application, the execution date of the application is Oct. 25 & Oct. 31, 2001 B. Patent No.(s) Filing date Patent Application No. 01/22/2002 EFLORES 00000063 10045036 FC:581 ☐ Yes 🗵 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Mitchell W. Shapiro 7. Total fee (37 CFR 3.41):.....\$ 40.00 31,568 ☒ Enclosed - Any excess or insufficiency should be Registration No. credited or debited to deposit account Address: Miles & Stockbridge P.C. ☐ Authorized to be charged to deposit account 1751 Pinnacle Dr., Suite 500 8. Deposit account number: 50-1165 City: McLean State/Prov.: VA_ (Attach duplicate copy of this page if paying by deposit account) ZIP: 22102-3833 Country: U.S. DO NOT USE THIS SPACE 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. January 15, 2002 Mitchell W. Shapiro Date Signature Name of Person Signing Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT

Docket No.: XA-9613

REEL: 012496 FRAME: 0765

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 citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

WIRING SUBSTRATE MANUFACTURING METHOD

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., its 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.

Signed on the date(s) indicated aside our signatures:

RECORDED: 01/15/2002

INVENTOR(S)	Date Signed
(発明者フルネームサイン)	(署名日)
1) Toshihiko Tanaka	10/25/2001
2) Marchary Rufor	10/31/2001
2) Masahary Kufor	10/25/2001
4)	
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6)	
7)	
8)	
9)	
10)	

PATENT REEL: 012496 FRAME: 0766