

mas 6-3-99

Docket No.: 503.37201X00

FORM PTO-595
1-31-92

06-18-1999

2 SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101071869

To the Honorable Commissioner of P

attached original documents or copy thereof.

1. Name of conveying party(ies):
Seiji MIZUNIWA, Kenya ITANI, Michinori WACHI

2. Name and address of receiving party(ies):

Name: Hitachi Cable Ltd.

Street Address: 1-2, Marunouchi 2-chome, Chiyoda-ku,

City: Tokyo 100-8338

Country: Japan

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: April 19, 1999

Additional name(s) & address(es) attached? Yes No

JCS94 U.S. PTO
09/325129
06/03/99

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: April 19, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address:

06/16/1999 TDADE1 00000007 012135 09325129

04 FC:581 10.00 CH 30.00 OP
Street Address: 1300 North Seventeenth Street
Suite 1800

City: Arlington State: VA Zip: 22209

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)\$40.00

- Enclosed
- Any deficiencies may be charged to deposit account
- Authorized to be charged to deposit account

8. Deposit account number: 01-2135

(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 information is true and correct and any attached copy is a true copy of the original document.

William I. Solomon
Name of Person Signing

William I. Solomon
Signature

June 3, 1999
Date

Attorney Registration No. 28,565

Total number of pages including cover sheet, attachments, and document: 2

OMB No. 0651-0011 (exp. 4/94)

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to HITACHI CABLE LTD. of 1-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8338, Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

METHOD AND APPARATUS FOR FABRICATING SINGLE CRYSTAL

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, ~~Serial No. XXX~~ executed by us 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 CABLE 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 CABLE LTD.

(Full Name)

(Signature)

- 1) Date April 19, 1999 Inventor Seiji Mizuniwa Seiji Mizuniwa
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- 2) Date April 19, 1999 Inventor Kenya Itani Kenya Itani
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- 3) Date April 19, 1999 Inventor Michinori Wachi Michinori Wachi
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- 4) Date _____ Inventor _____
 Residence _____ Citizenship _____
 Post Office Address _____
- 5) Date _____ Inventor _____
 Residence _____ Citizenship _____
 Post Office Address _____

Witness(es)

- All) Yasuharu Matoh 2) _____ 4) _____
- 1) _____ 3) _____ 5) _____