Docket No.: PHCF-09094US U.S. DEPARTMENT OF COMMERC EET ORM PTO-1595 (Modified) U.S. PTO 11-13-2009 Rev. 12-05) Patent and Trademark Offi MB No. 0651-0027 (exp.1/31/2009) 12/588992 11/04/2009 tached documents or the new address(es) below 103580616 To the Director of the United States Patent a 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Hirotaka ESHIMA Name: HITACHI CABLE, LTD. Address: 14-1, Sotokanda 4-chome, Chiyoda-ku ☐ Yes 🖾 No Additional names(s) of conveying party(ies) . Nature of conveyance/Execution Date(s): Execution Date(s): October 22, 2009 City: Tokyo ☐ Merger Assignment State/Prov.: ☐ Change of Name ☐ Security Agreement ☐ Joint Research Agreement Country: Japan ☐ Government Interest Assignment □ Executive Order 9424, Confirmatory License ☐ Yes Additional name(s) & address(es) This document is being filed together with a new application . Application or patent numbers(s): B. Patent No.(s) A. Patent Application No. (s) FCANCELLED ☐ Yes 🛛 No Additional numbers attached? . Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: Name: Sean M. McGinn, Esq. 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Registration No.: 34,386 Address: McGinn Intellectual Property Law Group, PLLC ☐ Authorized to be charged by credit card 8321 Old Courthouse Road Authorized to be charged to deposit account Suite 200 ☑ Enclosed □ None required (government interest not affecting title) City: Vienna State/Prov.: VA 8. Payment Information ZIP: 22182-3817 Country: U.S.A. Last 4 Numbers a. Credit Card Phone Number: (703) 761-4100 **Expiration Date** b. Deposit Account Number 50-0481 (deficiencies only) Fax Number: (703) 761-2375 Authorized User Name Sean M. McGinn, Esq. Email Address: admin@mcginniplaw.com 11/05/2009 SZEWDIE1 00000071 12588992 . Signature: November 20, 25009 Date Sean M. McGinn, Esq. Total number of pages including cover sheet, attachments, and document: Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571)273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

> PATENT REEL: 023512 FRAME: 0842

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS OF ASSIGNOR

Hirotaka ESHIMA

c/o Hitachi Cable, Ltd., 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented and own a certain new and useful invention entitled:

TITLE OF INVENTION:

CABLE

WHEREAS

FULL NAME AND ADDRESS OF ASSIGNEE

Hitachi Cable, Ltd.

14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in, to and under said invention and the United States Letters Patent to be obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be

it known that in consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR, by these presents, hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the

United States Patent obtained therefor on said application or any (Assignment of Application for Patent -- page 1 of 2)

continuation, division, renewal, substitute or reissue thereof

PATENT REEL: 023512 FRAME: 0843 for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 22nd day of October, 2009.

SIGNATURE

By: Hirotaka ESHIMA
Hirotaka ESHIMA

WITNESS

Masaaki Kato

M. Kato

(Assignment of Application for Patent -- page 2 of 2)

PATENT REEL: 023512 FRAME: 0844

RECORDED: 11/04/2009