

U.S. PTO
12/659256
03/02/2010

REC

03-12-2010



Docket No.: PHCF-09147US

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Director of the United States Patent and Trademark Office

103591517

and attached documents or the new address(es) below

1. Name of conveying party(ies):

Takayuki SHIMIZU
Shinsuke MURANO
Tomoyuki OGAWA

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

2. Nature of conveyance/Execution Date(s):

Execution Date(s): February 24, 2010

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

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

Name: HITACHI CABLE, LTD.

Address: 14-1, Sotokanda 4-chome, Chiyoda-ku

City: Tokyo

State/Prov.:

Country: Japan

ZIP:

Additional name(s) & address(es)

☐ Yes ☒ No

3. Application or patent numbers(s):

A. Patent Application No. (s)

12 6 5 9 2 5 6

☒ This document is being filed together with a new application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

4. Name and address to whom correspondence concerning document should be mailed:

Name: Sean M. McGinn, Esq.

Registration No.: 34,386

Address: McGinn Intellectual Property Law Group, PLLC

8321 Old Courthouse Road

Suite 200

City: Vienna

State/Prov.: VA

Country: U.S.A. ZIP: 22182-3817

Phone Number: (703) 761-4100

Fax Number: (703) 761-2375

Email Address: admin@mcginniplaw.com

6. Total number of applications and patents involved: one (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers

Expiration Date

b. Deposit Account Number 50-0481 (deficiencies only)

Authorized User Name Sean M. McGinn, Esq.

9. Signature:

Signature

March 2, 2010

Date

Name of Person Signing

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

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

03/03/2010 JAD001 00000022 12659256

04 11:0021

40.00 DP

PATENT
REEL: 024069 FRAME: 0965

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS

OF ASSIGNOR

Takayuki SHIMIZU,
Shinsuke MURANO and
Tomoyuki OGAWA
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:

MOBILE COMMUNICATION BASE STATION ANTENNA

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

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 24th day of February, 2010.

SIGNATURE

By: Takayuki Shimizu
Takayuki SHIMIZU

SIGNATURE

By: Shinsuke Murano
Shinsuke MURANO

SIGNATURE

By: Tomoyuki Ogawa
Tomoyuki OGAWA

WITNESS

M. Kato
Masaaki KATO

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

PATENT

RECORDED: 03/02/2010

REEL: 024069 FRAME: 0967