

Recordation Form

07/23/2012

Docket Number

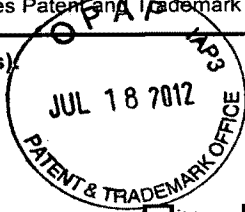
PHCF-12034US



103647228

To the Director of the United States Patent and Trademark Office: Please record the attached documents or the new address(es) below.

7-18/12



1. Name of conveying party(ies)

- 1) Tomoyoshi TATSUMI
- 2) Shingo SUGAWARA
- 3) Koichiro SETO

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

3. Nature of conveyance/Execution date(s):

Execution Date(s): May 16, 2012

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

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

Name: Hitachi Cable, Ltd.

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

City: Tokyo

State/Prov.: Postal Code:

Country: JAPAN

Additional name(s) & address(es): Yes No

4. Application or patent number(s):

A. Patent Application No.(s)
13/550,491

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party 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.: Virginia

Country: USA Postal Code: 22182-3817

Phone Number: (703) 761-4100

Fax Number: (703) 761-2375 or 76

Email Address: admin@mcginniplaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41):

- 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

Deposit Account Number 50-0481 (deficiencies only)

Authorized User Name Sean M. McGinn

9. Signature:

Sean M. McGinn

Sean M. McGinn, Esq.
Name of Person Signing

Date: 07/23/2012 HTON11 00000019 103647228 July 18, 2012

Total number of pages including cover sheet, attachments, and documents: 40.00 OP

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS
OF ASSIGNOR

Tomoyoshi TATSUMI, Shingo SUGAWARA and
Koichiro SETO

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:

NETWORK SYSTEM

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
continuation, division, renewal, substitute or reissue thereof

(Assignment of Application for Patent -- page 1 of 2)

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 16th day of May, 2012.

SIGNATURE

By: Tomoyoshi Tatumi
Tomoyoshi TATSUMI

SIGNATURE

By: Shingo Sugawara
Shingo SUGAWARA

SIGNATURE

By: K. Seto
Koichiro SETO

WITNESS

Yasuharu Muto
Yasuharu MUTO

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