

09-10-2001

To the Honorable Commissioner of Patents:



original documents or copy thereof.

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|--|--|--|
| <p>1. Name of conveying party(ies): Naoto Ishii Shousei Yoshida Akihisa Ushirokawa <i>08/29/01</i></p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: August 20, 2001</p> | | <p>101837663</p> <p>party(ies): _____ of receiving</p> <p>Name: NEC CORPORATION Internal Address: _____</p> <p>Street Address: 7-1, Shiba 5-chome, Minato-ku, City: Tokyo Country: Japan</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> |
| <p>4. Application number(s) or patent number(s): Title: ADAPTIVE ANTENNA RECEIVING APPARATUS If this document is being filed together with a new application, the execution date of the application is <u>August 20, 2001</u> <i>09/940718</i></p> <p>A. Patent Application No(s). _____ B. Patent No(s). _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | | |
| <p>5. Name and address of party to whom correspondence concerning document should be mailed: Michael E. Whitham, Esq. McGuireWoods LLP 1750 Tysons Boulevard, Suite 1800 McLean, VA 22102 (703)712-5000</p> | <p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <u>\$ 40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: 23-1951</p> | |
| <p>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.</p> <p><u>Michael E. Whitham</u> Name of Person Signing</p> <p><i>[Signature]</i> Signature</p> <p><u>August 29, 2001</u> Date</p> <p>Total number of pages including cover sheet: <u>3</u></p> | | |

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PATENT OR DESIGN: SOLE OR JOINT

(U.S. and Foreign Rights)

ASSIGNMENT FOR UNFILED APPLICATION FOR UNITED STATES
PATENT

(Sole or Joint Inventors)

WHEREAS: Naoto ISHII, Shousei YOSHIDA and
Akihisa USHIROKAWA

FULL NAME(S) AND
POST OFFICE ADDRESS(S)
OF INVENTOR(S) (including
country)

c/o NEC Corporation, 7-1, Shiba
5-chome, Minato-ku, Tokyo, Japan

(hereinafter referred to as ASSIGNOR), have invented and
own a certain invention entitled:

TITLE OF
INVENTION

ADAPTIVE ANTENNA RECEIVING APPARATUS

for which application for Letters Patent of the United States
has been executed on even date herewith,

FULL NAME AND
ADDRESS (including country)
OF ASSIGNEE

WHEREAS: NEC Corporation
7-1, Shiba 5-chome, Minato-ku,
Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:
Be it known that in consideration of the payment by 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 hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or

(Assignment for Unfiled Application for United States Patent—page 1 of 2)

any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

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 and legal equivalents in foreign countries 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, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

Warning

DATE OF SIGNING:

This must be the same as the date of signing of the declaration and power of the patent or design application.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this August 20, 2001

(Date of Signing) August 20, 2001

SIGNATURE(S)

The signature(s) must correspond with the name(s) of the inventor(s) above.

Naoto Ishii (Signature) Naoto ISHII
Shousei Yoshida (Signature) Shousei YOSHIDA
Akihisa Ushirokawa (Signature) Akihisa USHIROKAWA

Witness:

Tadatoshi Iizawa
[Signature]

Instruction
sheet for
assignment
Signing

All information, names of inventor(s) and assignee, title of invention and particulars of application should be completed.

No witnessing or legalization is necessary. However, if this assignment is legalized then it will only be prime facie evidence of the execution of the assignment.

(Assignment for Unfiled Application for United States Patent—page 2 of 2)