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FORM PTO-1595  
(Rev. 08/05)



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 077892-0017

103394957

To the Director of the U. S. Patent and Trademark Office

Documents or the new address(es) below.

1. Name of Conveying Party(ies)

Yasuhisa TAKIZAWA, Peter DAVIS, Makoto KAWAI,  
Hisato IWAI, Akira YAMAGUCHI, Sadao OBANA

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

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): March 8, 2007, March 9, 2007, March 13,  
2007, March 17, 2007, March 9, 2007,  
March 9, 2007 (Respectively)

- ☒ 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: ADVANCED TELECOMMUNICATIONS  
RESEARCH INSTITUTE INTERNATIONAL

Internal Address:

Address: 2-2, Hikaridai 2-chome, Seika-cho,  
Soraku-gun, Kyoto, JAPAN

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

4. Application or patent number(s):

A. Patent Application No(s).

☒ This document is being filed together with a new application

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

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

Name: MCDERMOTT WILL & EMERY LLP

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: D. C. Zip: 20005-3096

Phone Number: 202.756.8000

Fax Number: 202.756.8087

Email Address:

6. Total number of applications and patents involved:

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)n

8. Payment Information:

a. Credit Card Last 4 Numbers \_\_\_\_\_  
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9. Signature.

Stephen A. Becker, 26,527

*Bernard P. Gold* (Reg. No. 46, 429) for

March 30, 2007

Name and Registration No. of Person Signing

Signature

Date

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

OMB No. 0651-0027 (exp. 6/30/2008)

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by  
 (Insert ASSIGNEE's Name(s) Address(es))  
 Advanced Telecommunications Research Institute International of  
 2-2, Hikaridai 2-chome, Seika-cho, Soraku-gun, Kyoto, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

**RADIO APPARATUS CAPABLE OF AUTONOMOUS POSITION ESTIMATION  
 AND RADIO NETWORK SYSTEM INCLUDING THE SAME**

(\*If the assignment is being filed after the filing of the application, this section must be completed)

for which application for Letters Patent of the United States was executed on even date herew unless otherwise indicated below:

\* filed on \_\_\_\_\_ Serial No. \_\_\_\_\_

( McDermott, Will & Emery is hereby authorized to insert the series code, ser number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or a continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms f which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and a continuation, divisional, reissue or reexamination applications thereof and also to execute separa assignments in connection with such applications as the ASSIGNEE may deem necessary ( expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference litigation, or other legal proceeding which may be declared concerning this application or an continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issue thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producin evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s)

(Signatures)

Yasuhisa Takizawa  
 (Signature)

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Mar. 8, 2007  
 (Date)

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 (Date)

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NO LEGALIZATION REQUIRED

PATENT

RECORDED: 03/30/2007

REEL: 019185 FRAME: 0398