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11-29-01

1. Name of conveying party(ies):
Noriaki OBARA

2. Name and Address of receiving party(ies):
Communications Research Laboratory
Independent Administrative Institution
4-2-1 Nukui-kitamachi, Koganei
Tokyo 184-8795 Japan

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
Execution Date(s): November 9, 2001

09/995831

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09/995831
11/29/01

4. Application number(s) or patent number(s):
 This document is being filed together with a new application:
(a) The execution date(s) of the application is/are: November 20, 2001
(b) The title is: PHASE CONTROL DEVICE AND SYSTEM FOR PHASED ARRAY ANTENNA
OR
 This document is being filed after filing of the application:
(a) Patent Application No(s). / , filed ; or
(b) Patent No(s). , issued .

5. Name and address of party to whom correspondence concerning document should be mailed:
STAAS & HALSEY LLP Our Docket: 1640.1001
Attention: David M. Pitcher
700 Eleventh Street, N.W., Suite 500
Washington, D.C. 20001

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Assignment)
 Enclosed
 Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

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

David M. Pitcher, Reg. No. 25,908
Name of Person Signing

November 29, 2001
Date

Total number of pages including cover sheet: 2

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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 Name(s) & Address(es) of ASSIGNEE(S))

Communications Research Laboratory, Independent Administrative
Institution 4-2-1 Nukui-kitamachi, Koganei, Tokyo 184-8795 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)

PHASE CONTROL DEVICE AND SYSTEM FOR PHASED ARRAY ANTENNA

relating to International Patent Application PCT/JP ___/___ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on NOV. 20, 2001;

(Insert date of execution of application, if not concurrent)

(b) filed on _____,

Serial No. ___/_____;

Any registered attorney of STAAS & HALSEY, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

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

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)	<u>Noriaki OBARA</u> <u>Noriaki Obara</u>	<u>9/11/2001</u>	_____
2)	_____	_____	_____
3)	_____	_____	_____
4)	_____	_____	_____
5)	_____	_____	_____