Form PTO-1595

Recordation Form Cover Sheet

09/125734

U.S. Department of Commerce Patent and Trademark Office

1-51-92 PATENTS ONLY

To be Honorable Commissioner of Patents and Trademarks: Please record the attached original documents 465 Fee OPCI/PTO 25 AUG 1998

1. Name of conveying party(ies) Paisuke IHARA Ryo YAMAGUCHI Ryo YAMAGUCHI Ryo YAMAGUCHI	2. Name and address of receiving party-ies):
Ryo YAMAGUCHI 8 - 25 4	NTT Mobile Communications Network Inc. 10-1, Toranomon 2-chome Minato-ku Tokyo 105-8436 Japan
Addit'l name(s) of conveying party(ies) attached? [] Yes [x] No	
3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of name [] Other Execution Date: July 22, 1998	01-13-1999
	- 100941221 ————
4. Application number(s) or patent number(s):If this document is being filed together with a new appl	lication, the execution date of the application is: July 22, 1998
A Patent Application No.(s)	B. Patent No.(s)
Additional numbers	attached?] Yes [x] No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved [1]
Pollock, Vande Sande & Priddy Suite 800 1990 M Street, N.W. Washington State: D.C. Zip: 20036	7. Total fee (37 CFR 3.41)840,00 [x] Enclosed [] Authorized to be charged to deposit account [x] Charge deficiencies/credit overpayments to Deposit Account 22-0185
/1998 PVDLPE	8. Deposit Account No: 22-0185 (Attach duplicate copy of this page if paying by deposit account)
DO NOT US	E THIS SPACE
Statement and signature. To the best of my knowledge and belief, the foregoing of the original document. Date: August 24,	information is true and correct and any attached copy is a true copy 1998 Total number of pages including cover sheet: [2]
Reg. No. 16,906	
	ch this portion
Mail documents to be recorded with required cover sheet information to:	

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

PATENT REEL: 9688 FRAME: 0162

ASSIGNMENT

FOR and in consideration of ONE Dollar (\$1.00) to us in hand
paid, and other valuable considerations, the receipt and sufficiency
whereof are hereby acknowledged and confessed, we TAISUKE CHARA
of 2107-40-202, Mutsuura-cho, Kanazawa-ku, Yokohama-shi,
Kanagawa 236-0032 Japan and RYO YAMAGUCHI of 1-158-203,
Mutsukawa, Minami-ku, Yokohama-shi, Kanagawa 232-0066 Japan

hereby sell, assign, transfer and set over unto

NTT Mobile Communications Network Inc.

a corporation duly organized under the laws of Japan having an office and place of bussiness at

10-1, Toranomon 2-chome, Minato-ku, Tokyo 105-8436 Japan the entire right, title and interest in and to our invention in "ADAPTIVE ARRAY ANTENNA UNIT"

as set forth in our application for United States Letters Patent therefor, prepared by the firm of Kusano Patent Office of Tokyo. Japan and executed of even date herewith, said application being identified in the office records of said firm as No.10F027US and in and to the United States Letters Patent therefor, when issued, together with all present and future improvements thereon and betterments thereof, all divisions, continuations and reissues thereof and substitutions of or for said application, (and all foreign rights); and we hereby authorize and direct the Commissioner of Patents to issue the patent for said invention, when granted, in accordance with this assignment and sale.

For the same consideration, we hereby agree that we will promptly communicate to the aforesaid assignee or its assigns full and complete information concerning said improvements or betterments of the invention disclosed in said application, and we will cooperate at any time upon request of said assignee or its assigns, at its or their expense, in the procurement of patent protection to cover the invention herein assigned and to be assigned including the execution of new, divisional, continuing and reissue applications; we will make all rightful oaths, will testify in any proceedings in the Patent Office or in the Courts, and generally will do everything lawfully possible to aid said assignee, its successors, assigns, and nominees to obtain, enjoy and enforce proper patent protection for the invention embraced within the terms of this document.

We have hereunto subscribed our names at Tokyo, Japan this 22nd day of July, 1998

Taisuke Ihara
Ryo Yamaguchi
RYO YAMAGUCHI

PATENT RECORDED: 08/25/1998 REEL: 9688 FRAME: 0163