| | Accorney Booker No. 1750, 1175 | | | | | | | | |
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| (1) Kazuya KIUCHI (2) Yuzuru MASUDA | | | | | | | | | |
| (3) Hideto OOKITA (4) Kazuo NAGAMACHI | | | | | | | | | |
| (5) Yoshio SASAKI Additional name(s) of conveying party(ies) attached? yesX no | Street Address: 5-22, Kitainoue-cho, Higashino, Yamashina-ku | | | | | | | | |
| 3. Nature of Conveyance: | City State Zip Kyoto-shi, Kyoto, 607-8555 Japan | | | | | | | | |
| X Assignment Merger | Additional name(s) & address(es) attached? | | | | | | | | |
| Security Agreement Change of Name Other: | yes <u>x</u> no | | | | | | | | |
| Execution Date: August 23, 1999 | | | | | | | | | |
| the application is: A. Patent Application No.(s) 09/171,903 Additional numbers a | B. Patent No(s). ttached? Yes _x_ No | | | | | | | | |
| 5. Name and address of party to whom correspondence concerning document | 6. Total number of applications and patents involved: 1 | | | | | | | | |
| should be mailed: Evenson, McKeown, Edwards & Lenahan, P.L.L.C. 1/09/1999 PV0LPE20 0000005 10917 1903N.W., Suite 700 | 7. Total Fee (37 CFR 3.41): \$\frac{40.00}{\text{\subset}}\$ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 05-1323 Authorized to be charged to Deposit Account | | | | | | | | |
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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

> Kyocera Corporation 5-22, Kitainoue-cho, Higashino, Yamashina-ku, Kyoto-shi, Kyoto, 607-8555 Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

MOBILE SATELLITE COMMUNICATION UNIT, PARTICULARLY DUAL MODE MOBILE SATELLITE COMMUNICATION UNIT

| as | set | forth | in | his | United | States | Patent | Applicat | cion | (check | one) | : |
|----|-----|-------|------|-------|------------------|----------|---------|----------|------|--------|------|---|
| | | | exe | cuted | d concu | rrently | herewit | th, | | | | |
| | _ | | exec | cuted | d on | , | | | | | | |
| | | X | Ser: | ial N | No. 09/ : | 171,903, | filed | October | 28, | 1998, | | |

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the Untied States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal procedures and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of EVENSON, McKEOWN, EDWARDS & LENAHAN, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and trademark Office for recordation of this Assignment.

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> **PATENT** REEL: 010303 FRAME: 0630

Shunichi Quasaki/
(signature of witness)

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Kazuo Najamachi
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Kazuo NAGAMACHI

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Shunichi Qwasaki (signature of witness)

(signature Yoshio SAŠAKI

c/o Yokohama Office, Kyocera Corporation 1-1, Kagahara 2-chome, Tsuzuki-ku, Yokohama-shi, Kanagawa, 224-8502 Japan

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