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Form PTO-1595
June 9, 2004

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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Attorney Docket No.: 773-010c

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1. Name of conveying party(ies):

Mikio Kuwahara, Nobukazu Doi, Toshiro Suzuki

Yuji Ishida, Takashi Inoue, Sumaru Niida

Additional name(s) of conveying party(ies) attached?

☐ yes☒ no

2. Name and address of receiving party(ies):

Name: Hitachi, Ltd.Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-kuCity: Tokyo State: Japan Zip: 101-8010

3. Nature of Conveyance

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherName: KDD CorporationStreet Address: 3-2, Nishishinjuku, 2-chome, Shinjuku-ku,City: Tokyo State: JapanAdditional names and addresses attached? ☐ yes ☒ no

Execution Date:

August 9, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application No.(s)

10/674,455

B. Patent No.(s):

N/A

Additional numbers attached? ☐ Yes ☒ No

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

Name: Joseph SoferInternal Address: SOFER & HAROUN, LLPStreet Address: 317 Madison Avenue, Suite 910City: New York State: NY ZIP: 10017

6. Total number of applications and patents involved:

[1]

7. Total fee (37 C.F.R. 3.41) \$ _____

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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.

Joseph Sofer, Esq.
Name of Person Signing

Signature

June 9, 2004

Date

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PATENT

REEL: 015463 FRAME: 0608

Attorney Docket No.: 773-010c

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS:

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
**Mikio Kuwahara, Nobukazu Doi, Toshiro Suzuki
Yuji Ishida, Takashi Inoue, Sumaru Niida**
Additional name(s) of conveying party(ies) attached?
☐ yes ☒ no

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City: Tokyo State: Japan Zip: 101-8010

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☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Name: KDD Corporation
Street Address: 3-2, Nishishinjuku, 2-chome, Shinjuku-ku,
City: Tokyo State: Japan
Additional names and addresses attached? ☐ yes ☒ no

Execution Date:
August 9, 2000

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A. Patent Application No.(s)

10/674,455

B. Patent No.(s):

N/A

Additional numbers attached? ☐ Yes ☒ No

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

Name: Joseph Sofer
Internal Address: SOFER & HAROUN, LLP
Street Address: 317 Madison Avenue, Suite 910
City: New York State: NY ZIP: 10017

6. Total number of applications and patents involved:

[1]

7. Total fee (37 C.F.R. 3.41) \$ 40.00
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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.

Joseph Sofer, Esq.
Name of Person Signing

[Signature]
Signature

November 5, 2003
Date

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PATENT
REEL: 015463 FRAME: 0609

ASSIGNMENT

(譲 渡 証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Mikio KUWAHARA, Nobukazu DOI, Toshiro SUZUKI, Yuji ISHIDA, Takashi INOUE, and Sumaru NIIDA,

citizens of Japan by HITACHI, LTD., and KDD Corporation., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 3-2, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo, Japan, respectively,

receipt of which is hereby acknowledged, we, the said Mikio KUWAHARA, Nobukazu DOI, Toshiro SUZUKI, Yuji ISHIDA, Takashi INOUE, and Sumaru NIIDA,

do hereby sell and assign to said HITACHI, LTD., and KDD Corporation.,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to Antenna Unit and Radio Base Station therewith

Invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and KDD Corporation.,

their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and KDD Corporation.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1)	<u>Mikio Kuwahara</u>	<u>8/9/2000</u>
	Mikio KUWAHARA	
2)	<u>Nobukazu Doi</u>	<u>8/9/2000</u>
	Nobukazu DOI	
3)	<u>Toshiro Suzuki</u>	<u>8/21/2000</u>
	Toshiro SUZUKI	
4)	<u>Yuji Ishida</u>	<u>8/9/2000</u>
	Yuji ISHIDA	
5)	<u>Takashi Inoue</u>	<u>8/9/2000</u>
	Takashi INOUE	
6)	<u>Sumaru Niida</u>	<u>8/9/2000</u>
	Sumaru NIIDA	
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____

PATENT

REEL: 015463 FRAME: 0610

ASSIGNMENT

(譲渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Mikio KUWAHARA, Nobukazu DOI, Toshiro SUZUKI, Yuji ISHIDA, Takashi INOUE, and Sumaru NIIDA, citizens of Japan by HITACHI, LTD., and KDD Corporation., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 3-2, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo, Japan, respectively, receipt of which is hereby acknowledged, we, the said Mikio KUWAHARA, Nobukazu DOI, Toshiro SUZUKI, Yuji ISHIDA, Takashi INOUE, and Sumaru NIIDA, do hereby sell and assign to said HITACHI, LTD., and KDD Corporation., their successors and assigns, all our right, title and interest, in and for the United States of America, in and to Antenna Unit and Radio Base Station therewith

Invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and KDD Corporation., their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

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	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	<u>Mikio Kuwahara</u> Mikio KUWAHARA	<u>8/9/2000</u>
2)	<u>Nobukazu Doi</u> Nobukazu DOI	<u>8/9/2000</u>
3)	<u>Toshiro Suzuki</u> Toshiro SUZUKI	<u>8/21/2000</u>
4)	<u>Yuji Ishida</u> Yuji ISHIDA	<u>8/9/2000</u>
5)	<u>Takashi Inoue</u> Takashi INOUE	<u>8/9/2000</u>
6)	<u>Sumaru Niida</u> Sumaru NIIDA	<u>8/9/2000</u>
7)	_____	_____
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(発明者フルネームサイン)

Date Signed

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	Sumaru NIIDA	
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____

PATENT

RECORDED: 11/07/2003

REEL: 015463 FRAME: 0612