



To the Assistant Commissioner ... 101123868 ... ,nal documents or copy thereof.

1. Name of conveying party(ies):

KIUCHI, Shinya
MURAKAMI, Yasuyuki

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

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

Masao KASAHARA
15-3, Aogei 4-Chome
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and

Murata Kikai Kabushiki Kaisha
3-Banchi, Kisshoin Minami Ochiai-Cho
Minami-Ku, Kyoto-Shi, Kyoto, Japan

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



3. Nature of conveyance:

8-16-99

Assignment

Execution Date: July 21, 1999

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) 09/361,195

B. Patent No.(s)

Additional numbers attached? Yes No

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

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6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) \$40

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:

12-1820

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

William H. Wright

Date: August 11, 1999

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

08/19/1999 MTHAI1 00000274 09361195

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Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

ASSIGNMENT OF INVENTION

WHEREAS, Japanese Patent Application No. 10-211353, entitled "Encoding Method, Encoding-Decoding Apparatus, And Code Communications System" was filed in the Japanese Patent Office on July 27, 1998;

WHEREAS, said Japanese Patent Application identifies three persons, namely, Masao KASAHARA of 15-3, Aogei 4-chome, Minoo-shi, Osaka, JAPAN, Shinya KJUCHI of 13-27, Kanshuji Doda, Yamashina-ku, Kyoto-shi, Kyoto, JAPAN, and Yasuyuki MURAKAMI of Murata Kikai Shataku B-602, 51-6, Makishima-cho Motoyashiki, Uji-shi, Kyoto, JAPAN, as joint inventors;

WHEREAS, a patent application corresponding to said Japanese Patent Application is to be filed eventually in the United States;

WHEREAS, Masao KASAHARA is the owner of a one-third undivided interest in the invention claimed in said Japanese Patent Application and in any corresponding patent applications filed anywhere in the world;

WHEREAS, Yasuyuki MURAKAMI was the owner of a one-third undivided interest in the invention claimed in said Japanese Patent Application and in any corresponding patent applications filed anywhere in the world, and for good and valuable consideration, Yasuyuki MURAKAMI did assign, sell, and transfer to MURATA KIKAI KABUSHIKI KAISHA, whose address is 3-banchi, Kisshoin Minami Ochiai-cho, Minami-ku, Kyoto-shi, Kyoto, JAPAN, its successors, assigns and legal representatives, the full and exclusive right to his one-third undivided interest in and to said invention, said Japanese Patent Application and any corresponding applications, its territorial possessions and all foreign countries;

WHEREAS, Shinya KIUCHI was the owner of a one-third undivided interest in the invention claimed in said Japanese Patent Application and in any corresponding patent applications filed anywhere in the world, and for good and valuable consideration, Shinya KIUCHI did assign, sell, and transfer to each of Masao KASAHARA and MURATA KIKAI KABUSHIKI KAISHA, their respective successors, assigns and legal representatives, the full and exclusive right to a one-half of his one-third undivided interest in and to said invention, said Japanese Patent Application and any corresponding applications, its territorial possessions and all foreign countries;

WHEREAS, the aforementioned Masao KASAHARA and MURATA KIKAI KABUSHIKI KAISHA desire to jointly acquire the entire interest in said invention, said Japanese Patent Application, and any corresponding applications anywhere in the world; and

NOW, THEREFORE, Yasuyuki MURAKAMI and Shinya KIUCHI hereby confirm that, they did assign, sell, and transfer to Masao KASAHARA and MURATA KIKAI KABUSHIKI KAISHA, hereinafter jointly referred to as "Assignees", their successors, assigns and legal representatives, the full and exclusive right to their respective one-third undivided interest in and to said invention, said Japanese Patent Application and any corresponding applications, its territorial possessions and all foreign countries in equal, undivided shares, whereby the aforementioned Masao KASAHARA and MURATA KIKAI KABUSHIKI KAISHA now each hold an undivided one-half interest in said invention, said Japanese Patent Application, and all corresponding applications anywhere in the world.

Assignors covenant with said Assignees, their successors, assigns and legal representatives that no Assignment, grant, mortgage, license or other agreement affecting

the rights and property herein conveyed has been made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the assignors.

Shinya KIUCHI

Dated: July 21, 1999

By: *Shinya Kiuchi*
Name:
Title:

Yasuyuki MURAKAMI

Dated: July 21, 1999

By: *Yasuyuki Murakami*
Name:
Title:

Masao KASAHARA

Dated: July 21, 1999

By: *Masao Kasahara*
Name:
Title:

MURATA KIKAI KABUSHIKI KAISHA

Dated: July 21, 1999

By: J. Murata
Name: Junichi Murata
Title: President

Witness

M. Yamatani