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U.S DEPARTMENT OF COMMERCE
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Attorney Docket No. 381NP/48285

101178766

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

(1) Yoshinori ENDO; (2) Kozo NAKAMURA;
(3) Toshio FUJIWARA;
(4) Ke'nichirou KURATA;
(5) Hideo HIROSHIGE; (6) Hiroshi KURODA;
(7) Ichior HONDO; and (8) Okude MARIKO

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

— yes X no
MRO 10-13-99

3. Nature of Conveyance:

X Assignment — Merger
— Security Agreement — Change of Name
— Other:

Execution Date: October 4, 1999
(AS TO ALL)

2. Name and address of receiving party(ies)

Name: Hitachi, Ltd. and Xanavi Informatics Corporation

Street Address: 6, Kanda Surugadai 4-chome
Chiyoda-ku, Tokyo 101-8010,
JAPAN

and

6-35, Hironodai 2-chome,
Zama-shi, Kanagawa 228-0012,
JAPAN

Additional name(s) & address(es) attached?

— yes X no

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: October 4, 1999

A. Patent Application No.(s)

B. Patent No(s).

PENDING

Additional numbers attached? — Yes X No

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

Gary R. Edwards
Evenson, McKeown, Edwards
& Lenahan, P.L.L.C.
1200 G Street, N.W., Suite 700
Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00
X Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 05-1323

— Authorized to be charged to Deposit Account

8. Deposit Account No.

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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.

Gary R. Edwards
Name Gary R. Edwards Reg. No. 31,824

October 13, 1999
Date

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ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to Hitachi, Ltd. & Xanavi Informatics Corporation
6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan and
of 6-35, Hironodai 2-chome, Zama-shi, Kanagawa 228-0012, Japan
 its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

BROADCASTING TYPE INFORMATION PROVIDING SYSTEM AND TRAVEL ENVIRONMENT INFORMATION COLLECTING DEVICE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the applica-
 executed by us even date herewith
 tion for United States Letters Patent therefor, ~~Serial No. xx~~, 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. & Xanavi Informatics Corporation, its 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 me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful,
 and proper in the prosecution of the 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 I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said _____
Hitachi, Ltd. & Xanavi Informatics Corporation.

- | | (Full Name) | (Signature) |
|--|-------------|--------------------------|
| 1) Date <u>October 4, 1999</u> Inventor <u>Yoshinori Endo</u> | | <u>Yoshinori Endo</u> |
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| 2) Date <u>October 4, 1999</u> Inventor <u>Kozo Nakamura</u> | | <u>Kozo Nakamura</u> |
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| 3) Date <u>October 4, 1999</u> Inventor <u>Toshio Fujiwara</u> | | <u>Toshio Fujiwara</u> |
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| 4) Date <u>October 4, 1999</u> Inventor <u>Kenichirou Kurata</u> | | <u>Kenichirou Kurata</u> |
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| 5) Date <u>October 4, 1999</u> Inventor <u>Hideo Hiroshige</u> | | <u>Hideo Hiroshige</u> |
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Witness(es)

- All) Mari Yamagata 2) _____ 4) _____
 1) _____ 3) _____ 5) _____

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Date October 4, 1999 Inventor Okude Mariko *Okude Mariko*
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Date _____ Inventor _____
 Residence _____ Citizenship _____
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 Residence _____ Citizenship _____
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