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Attorney Docket No. 450100-04176

5-27-03

Applicant(s) : Takashi KAWASHIMA et al.
For : IDENTIFICATION INFORMATION CENTRALIZING METHOD,
PORTAL INFORMATION PROVIDING APPARATUS, AND IC
CARD
Corresponding Int'l Appln. : PCT/JP02/10081
International Filing Date : September 27, 2002

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Alexandria, VA 22313-1450

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1. Names of Conveying Parties : Takashi KAWASHIMA, Kotaro HAGIWARA,
Hirofumi HAYAASHI, Shinya GOISHI

2. Names and addresses of receiving parties : Sony Corporation
7-35 Kitashinagawa 6-Chome,
Shinagawa-Ku, Tokyo 141-0001, Japan

06/03/2003 NKAYPASH 00000110 10432710

02 FC:8021

3. Nature of Conveyance : 40.00 DP
Execution Dates : Assignment.
March 31, 2003

4. Application No.:
 This document is being filed together with a new application, the execution date of the
application is: March 31, 2003

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

William S. Frommer
Registration No. 25,506
FROMMER LAWRENCE & HAUG LLP
745 Fifth Avenue
New York, New York 10151.

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

7. Total Fee (37 CFR 3.41): \$40.00.
 Fee enclosed.

8. Charge Fee Deposit Account No. 50-0320 (Attach duplicate copy of this page if paying by deposit
account).
 If any additional fee is required, authorization is hereby given to charge
Deposit Account No. 50-0320.

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.

William S. Frommer, Esq. William S. Frommer May 27, 2003
Name of Person Signing Signature Date

00128363

ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in IDENTIFICATION INFORMATION CENTRALIZING METHOD, PORTAL INFORMATION PROVIDING APPARATUS, AND IC CARD

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number FC1/JPO2/10081, Filing Date: SEPTEMBER 27, 2002

This assignment executed on the dates indicated below.

TAKASHI KAWASHIMA

Name of first or sole inventor
KANAGAWA, JAPAN

Execution date of U.S. Patent Application

Residence of first or sole inventor

Takashi Kawashima

March 31, 2003

Signature of first or sole inventor

Date of this assignment

KOTARO HAGIWARA

Name of second inventor
TOKYO, JAPAN

Execution date of U.S. Patent Application

Residence of second inventor

Kotaro Hagihara

March 31, 2003

Signature of second inventor

Date of this assignment

HIROFUMI HAYAASHI

Name of third inventor
KANAGAWA, JAPAN

Execution date of U.S. Patent Application

Residence of third inventor

Hirofumi Hayaashi

March 31, 2003

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTOR(S) ON NEXT PAGE

SHINYA GOISHI

Name of fourth inventor TOKYO, JAPAN Execution date of U.S. Patent Application

Residence of fourth inventor *Shinya Goishi* March 31, 2003

Signature of fourth inventor Date of this assignment

Name of fifth inventor Execution date of U.S. Patent Application

Residence of fifth inventor

Signature of fifth inventor Date of this assignment

Name of sixth inventor Execution date of U.S. Patent Application

Residence of sixth inventor

Signature of sixth inventor Date of this assignment

Name of seventh inventor Execution date of U.S. Patent Application

Residence of seventh inventor

Signature of seventh inventor Date of this assignment

Name of eighth inventor Execution date of U.S. Patent Application

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Signature of eighth inventor Date of this assignment

Name of ninth inventor Execution date of U.S. Patent Application

Residence of ninth inventor

Signature of ninth inventor Date of this assignment