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RECORDATION

Atty. Docket: 35.C12832

To the Assistant Commis

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ed original documents or copy thereof.

1. Name of conveying party(ies):
 HIROSHI MATSUI
 Additional name(s) of conveying party(ies) attached?
 Yes No
 MRD 11-25-98

2. Name and address of receiving party(ies):
 Name: CANON KABUSHIKI KAISHA
 Foreign Address: 30-2, 3-chome, Shimomaruko, Ohta-ku
Tokyo, Japan

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
 Execution Date: November 16, 1998

Domestic Address: _____
 City: _____ State _____ ZIP _____
 Additional name(s) & address(es) attached? Yes 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: _____
 A. Patent Application Number: 09/110,027
 Filing Date: July 2, 1998

B. Title of Invention: NETWORK INFORMATION SEARCHING APPARATUS AND NETWORK INFORMATION SEARCHING METHOD
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Fitzpatrick, Cella, Harper & Scinto
30 Rockefeller Plaza
New York, New York 10112-3801
 Telephone No.: (212) 218-2100
 Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:
One
 7. Total fee (37 CFR 3.41): . . \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
 8. Deposit account number (for deficiency or excess)
06-1205
 (Attach duplicate copy of this page if paying by deposit account):

11/30/1998 DNGUYEN 00000069 09110027

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or is a true copy of the original document.
Leonard P. Diana November 24, 1998
 Name of Person Signing Signature Date
 Total number of pages including cover sheet, attachments, and documents: 2

SOLE

(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATESFOR VALUE RECEIVED, I, **HIROSHI MATSUI**citizen of **JAPAN**
residing at**17-18-503, Nakakasai 6-chome, Edogawa-ku, Tokyo, Japan**hereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA**
a corporation of Japanhaving a place of business at **30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan**
its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for
the United States, in and to certain inventions relating to**NETWORK INFORMATION SEARCHING APPARATUS AND NETWORK INFORMATION
SEARCHING METHOD**and described in an application for Letters Patent of the United States filed by me on **July 2, 1998**
and which has been accorded Application No. **09/110,027**
and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United
States which may be granted, thereon, and all reissues and extensions thereof; and I hereby authorize and request the
Commissioner for Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the
Assignee or to such nominees as it may designate.AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent
or other form of protection for said inventions, the benefit of the right of priority provided by the International Convention
for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and
to invoke and claim such right of priority without further written or oral authorization from me.AND I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any
assignment, consent to file or like document which may be required in the United States for any purpose and more
particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority
provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention
which may henceforth be substituted for it.AND I hereby covenant that I have the full right to convey the entire right, title and interest herein assigned and
that I have not executed and will not execute any agreement in conflict herewith.AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to me
pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing
and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper
to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in
the United States.By: *Hiroshi Matsui*
HIROSHI MATSUIDate: *November 16, 1998*