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Former 0 1595 (Rav. 8:93) OMB No. 0851-0011 (9xp. 4/94) 3/27/03	U.S. DEPARTMENT OF COMMERCE Patient and Trademark Office Docket No.: 6920/0M032
To the Honorable Commissioner of Patents and	02825719
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Takashige HOSHIAHMUKIO KIKUYA: Hiroshi SHIBATA;	Name: Nippon Telegraph and Telephone: Corporation -: M
Takamichi SAKAI; Michiharu TAKEMOTO	Street Address: 3-1, Otemachi 2-come, Chiyoda-ku
Additional name(s) of conveying party(ies) attached? (1 Yes. [X] No	City: Tokyo State: Japan Zip:
[X] Assignment [] :: Merger	
[] Security Agreement [] Change of Name	Additional name(s) & address(as) attached? [] Yes [X] No
[] Other	{ · · · · · · · · · · · · · · · · · · ·
Execution Date: <u>March 19, 2003; March 19, 2003;</u> March 19, 200 <u>3; March 19, 2003; March 19, 2003</u>	
Application number(s) or patent number(s): If this document is being filed together with a new application.	
19, 2003; March 19, 2003; March 19, 2003; March 19, 2 A. Patent Application No.(s)	EXPRESS MAIL CEPTIFS 41 390510
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	ached? [] Yes [X] No Stuntan
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patients involved:
Name: <u>Darby & Darby P.C.</u>	
Internal Address; S. Peter Ludwig	7. Total fee (37 CFR 3.41):\$ <u>40.00</u>
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Internat	tional App	lication	No I	/JP01/01771	278303

Attorney Docket No.

ASSIGNMENT

I/We, the inventor(s) named below [hereinafter referred to as the Assignor(s)], have made an invention entitled: SEMANTIC INFORMATION-ORIENTED NETWORK (SION)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on ______, Serial No. _____ and

(Full Name, Address, and Nationality of Assignee(s))

NIPPON TELEGRAPH AND TELEPHONE CORPORATION 3~1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan Nationality: Japan

[hereinafter referred to as the Assignee(s)], is/are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Patent for this invention, and the Letters Patent to be issued upon this application;

Now, therefore, be it known that, for good and valuable consideration, the receipt of which from the Assignee(6) is hereby acknowledged, I/wc, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee(s), its/their lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention in the name of the Assignee(s), its/their successors and assigns, in accordance with the terms of this assignment;

And I/we hereby further covenant and agree that I/we will, without further consideration, communicate with the Assignce(s), its/their successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful documents when called upon to do so, execute and deliver all documents that may be necessary or desirable to perfect the title to this invention in the name of the Assignee(s), its/their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid the Assignee(s) and its/their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such documents shall be borne by the Assignee(s), its/their successors and assigns.

Full name of (check one) [] Sole or [X] First Assignor	
Signature TAKASHZGE HOSHZAZ Date March 19, 2003	
Type Takashige Hoshiai Citizenship Japan	

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Full name of Second Assignor, if any	:
signature <u>Mukio Kikuya</u>	March 19, 2003
TypeYukio Kikuya	CitizenshipJapan
Full name of Third Assignor, if any	
signature Hiroshi Shibata	Date March 19, 2003
TypeHiroshi Shibata	Citizenship Japan
Full name of Fourth Assignor, if any	
signature Takamichi Sakai	March 19, 2003
TypeTakamichi Sakai	Citizenship Japan
Full name of Fifth Assignor, if any Signature Michigan Ja ut	March 19, 2003
Michiharu Takemoto	CitizenshipJapan
Full name of Sixth Assignor, if any	
Signature	Date
Туре	Citizenship

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