04-29-2002 Attorney Docket No. 8017-1013 Form PTO-1595 U.S. Department of Commerce U.S. Patent and Trademark Office **IEET** 102072021 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name of Conveying Party(ies): Name and address of receiving party(ies) Hidetaka HANE **NEC Corporation** Name: Shinichiro KAMEI Address: 7-1, Shiba 5-chome Minato-ku Tokyo Additional name(s) of conveying party(ies) attached? Japan ⋈ No ☐ Yes Additional name(s) and address(es) attached? Nature of Conveyance: ☐ Yes ⊠ No M Assignment Merger ☐ Security Agreement ☐ Change of Name Other: Execution Date: April 11, 2002 4. Application number(s) or patent number(s): This document is being filed with a new application, the execution date of the application is: April 11, 2002 Patent Application No(s). B. Patent No(s). Α. Additional numbers attached?

Yes

No Name and address of party to whom correspondence 5. 6. Total number of applications and patents concerning document should be mailed: involved: 1 Customer No.: 000466 7. Total fee (37 CFR 3.41).....\$40.00 YOUNG & THOMPSON Second Floor Authorized to be charged to deposit account 745 South 23rd Street Deposit Account No. 25-0120 Arlington, VA 22202 (Attach duplicate copy of this page if paying by deposit account) Phone: 703-521-2297 DO NOT USE THIS SPACE Statement and signature. 9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy

Signature

Total number of pages including cover sheet, attachments, and documents: 2

Yolanda Reynolds

Name of Person Signing

is a true copy of the original document.

April 18, 2002

Date

ASSIGNMENT

	WHEREAS, Hidetaka HANE and Shinichiro KAMEI, both of Tokyo, Japan
ha ⊻ 	E invented certain new and useful improvements in _METHOD_OF_AND_SYSTEM_FOR ECOMMENDING_PROGRAMS
for v	whichwe_are_about_to_makeapplication for Letters (I/we have made—or am/are about to make)
Pate	nt of the United States of America;
	AND WHEREAS,NEC_Corporation, 7-1, Shiba 5-chome,
	Minato-ku, Tokyo, Japan is is
desi	rous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the
Unit	ed States;
	NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of
to _	in hand paid, the receipt of which is hereby acknowledgedthe_said_ASSIGNOR
	assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said
	ASSIGNEE, NEG_Corporation
	the_full_and_exclusive right, title, and interest in and to the said invention
	ally set forth and described in the:
elete	(a) specification prepared and executed by <u>usus</u> on the day ofApril,
applicable ording	(b) application filed on the day of, Serial No.
	aratory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be and enjoyed by the saidASSIGNEE, NEC_Corporation
	their own use and behoof, and for _their legal representatives, to the full end of the term
for	which said Letters Patent are granted, as fully and entirely as the same would have been held by
	15 had this assignment and sale not been made.
	IN TESTIMONY WHEREOF, _we hereunto set _our hands and affix _our seals as
	Tokyo, Japan this 11th day of April , A.D. 2002
	(Inventor's full Signature)
	Hidetaka Hane Hidetaka Hane
Wit	Shinishing Kamei
	Shinichiro KAMEI

RECORDED: 04/18/2002

PATENT REEL: 012825 FRAME: 0588

^{*} State whether the full and exclusive right, or what part of the whole interest is assigned.