P/	101277588	ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Pater	ts and Trademarks: Please record t	he attached original assignment document.
1. Name of Party(ies) conveying 1) Hinrich Schuetze 2) James E. Pitkow 3) Peter L. Pirolli 4) Ed H. Chi 5) Jun Li	Xerox Co	l cut
Additional name(s) of conveying party(ies) attached? Yes 2 3. Nature of Conveyance: ASSIGNN Execution Date: 1) 1/12/00, 2) 1/12/00, 3) 1/12/00, 4) 1/12/00, 5) 1/13/00	IENT	and address(es)
If this document is being filed togeth		
If this document is being filed togeth A. Patent Application No.(s)		, , , , , , , , , , , , , , , , , , ,
If this document is being filed togeth A. Patent Application No.(s) 09/425,038	er with a new application, the execution B. Pater Additional numbers a	nt No.(s) ttached? Yes No
If this document is being filed togeth A. Patent Application No.(s)	Additional numbers a 6. Total number of appli 7. Total Fee (37 CFR 3.4	ttached? Yes No cations and patents involved = 1 41): \$ 40.00
A. Patent Application No.(s) 09/425,038 5. Name and Address of party to whom correspondence concerning docume should be mailed: Xerox Corporation Xerox Square - 20A Rochester, New York 14644	Additional numbers a 6. Total number of appliant 7. Total Fee (37 CFR 3 Enclosed Authorized to be cr	ttached? Yes No cations and patents involved = 1 11): \$ 40.00 sarged to Deposit Account Number: 24-0025
A. Patent Application No.(s) 09/425,038 5. Name and Address of party to whom correspondence concerning docume should be mailed: Xerox Corporation Xerox Square - 20A Rochester, New York 14644 9. Statement and signature.	Additional numbers a 6. Total number of appli 7. Total Fee (37 CFR 3.4 Enclosed Authorized to be ct 8. Deposit Account	ttached? Yes No cations and patents involved = 1 11): \$ 40.00 sarged to Deposit Account Number: 24-0025

02/28/2000 TTON11 00000183 240025 09425034 01 FC:581 40.00 CH

ASSIGNMENT

Attorney Docket No.: D/99197

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled SYSTEM AND METHOD FOR PROVIDING RECOMMENDATIONS BASED ON MULTI-MODAL USER CLUSTERS (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:

is being executed concurrently herewith,
 was first executed on
 was filed on 10/19/99 as Application Number 09/425,038.

☑ claims the benefit of U.S. Provisional Application(s) No(s).60/117,462 filed 1/26/99.

Xerox Corporation, a New York Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("Xerox"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to Xerox the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to Xerox;
- (2) agree that Xerox may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by Xerox; and
- (4) authorize Xerox to subsequently enter the Application Number on this Assignment, if not already entered above.

Hinrich-Schuetze	Date _	1/11/00
James E. Pitkow		1/12/00
	Date _	1/76/00
Int wall		
Peter L. Pirolli		1-12-7880
	Date _	1 16-1400
PaH. Un		
Ed H. Chi		1-12-2000
	Date	1.16. 600

PATENT

REEL: 010569 FRAME: 0103

ASSIGNMENT

Attorney Docket No.: D/99197

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- (4) authorize Xerox to subsequently enter the Application Number on this Assignment, if not already entered above.

Jun Li

Date 1/13/2000

PATENT REEL: 010569 FRAME: 0104