Form PTO-1595 R (Rev. 03/01)	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
	66953
Tab settings    To the Honorable Commissioner of Patents and Trademarks:	: Please record the attached original documents or copy thereof.
Name of conveying party(ies):     Rui, Yong	Name and address of receiving party(ies)     Name: Microsoft Corporation
Florencio, Dinei 5_28_03	Internal Address:
Additional name(s) of conveying party(ies) attached?  Yes	Patenting Group Docketing Department
3. Nature of conveyance:	4 Table 1
Assignment	Street Address: One Microsoft Way
Security Agreement	
_	City: Redmond State: WA Zip: 98052
Execution Date: 5-22-2003	Additional name(s) & address(es) attached? 📮 Yes 🕻 No
A. Patent Application No.(s)  Additional numbers at	B. Patent No.(s)  ttached? ☐ Yes ☐ No
Name and address of party to whom correspondence	
concerning document should be mailed:  Lyon & Harr, LLP  Name:	7. Total fee (37 CFR 3.41)\$ 40.00
Name:Attn: Richard Lyon Internal Address:	Enclosed
	Authorized to be charged to deposit account
Street Address: 300 Esplanade Drive, Suite 800	8. Deposit account number:
City: CX Zip: 93036	(Attach duplicate copy of this page if paying by deposit account)
DO NOT US	E THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing is a true copy of the original document.  Richard T. Lyon, Reg. No. 37,385	information is true and correct and any attached copy  5-28-2003
Name of Person Signing	Signature Date
Total number of pages including cover	er sheet, attachments, and documents:
Commissioner of Patents &	h required cover sheet information to: Trademarks, Box Assignments n, D.C. 20231

**PATENT REEL: 014129 FRAME: 0843** 

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filing Date	Executed Concurrently Herewith
Inventorship	
Applicant	
Attorney's Docket No	
MS Docket No.	
Title: A SYSTEM AND PROCESS FOR ROBUST Se	OUND SOURCE LOCALIZATION

## PATENT ASSIGNMENT

### PARTIES TO THE ASSIGNMENT

Assignor(s):

Yong Rui 2508 239th Pl. NE Sammamish, WA 98074

Dinei A. Florencio 4603 168th Ct. NE Redmond, WA 98052

Assignee:

Microsoft Corporation Corporation in the State of Washington One Microsoft Way Redmond, WA 98052

## **AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "A SYSTEM AND PROCESS FOR ROBUST SOUND SOURCE LOCALIZATION," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in

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REEL: 014129 FRAME: 0844

and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

5/22/03

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