Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION I	FORM COVER SHEET MS1 - 3352US
To the Director of the U.S. Patent and Trademark Office: Ple	ease record the attached documents or the new address(es) below.
1. Name of conveying party(ies) Yi-Min Wang 5/31/2007	2. Name and address of receiving party(ies) Name: Microsoft Corporation
Ming Ma 5/31/2007	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes 3. Nature of conveyance/Execution Date(s): Execution Date(s) Listed in Box 1 above.	Street Address: One Microsoft Way
Assignment Merger Security Agreement Change of Name	City: Redmond
Joint Research Agreement Government Interest Assignment	State: WA
Executive Order 9424, Confirmatory License Other	Country: US Zip: 98052 Additional name(s) & address(es) attached? ☐ Yes ✓ No
A. Patent Application No.(s) 11/756,600 filed 5/31/2007	B. Patent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name:Lee & Hayes, PLLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00
Internal Address:	Authorized to be charged by credit card Authorized to be charged to deposit account
Street Address: <u>421 W Riverside Ave Ste 500</u>	
City: Spokane	8. Payment Information
State: <u>WA</u> Zip: <u>99201</u>	a. Credit Card Last 4 Numbers 1018 Expiration Date 8/2009
Phone Number: <u>509-324-9256</u>	b. Deposit Account Number
Fax Number: <u>509-323-8979</u> Email Address:	Authorized User Name
9. Signature:	6-27-07
	# 42973 Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (Including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT REEL: 019503 FRAME: 0758

P.02/04

MAY 31 2007 14:05 FR

TO 915093238979 Nocket No. 318790.01 P.02/10

MS Docket No. 318790.01 (OC Docket No. MS1-3352US)

PATENT ASSIGNMENT

We, Yi-Min Wang, Ming Ma, ("ASSIGNOR"), have invented subject n	natter
("INVENTION") disclosed and/or claimed in a patent application entitled "Search	Ranger
("INVENTION") disclosed and/of claimed in a patent appropriate and Browser Protection	ion "
System and Double-Funnel Model For Search Spam Analyses and Browser Protection	
("APPLICATION"), which:	

will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Lee & Hayes, PLLC, 421 W. Riverside Avenue, Suite 500, Spokane, Washington 99201, who are associated with customer number 22801, to insert here in parenthesis (U.S. Serial No. ; filed) this APPLICATION'S U.S. Serial Number and filing date, when known; was filed on and was given U.S. Serial No.;

is filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

5/31/2067

05/31/07

DATE

Yi-Min Wang

A -

Ming Ma

REEL: 019503 FRAME: 0759

5093238979 TO 15712730140

P.03/04

MS Docket No. 318790.01 (OC Docket No. MS1-3352US)

PATENT ASSIGNMENT

(A)	
We, Yi-Min Wang, Ming Ma, ("ASSIGNOR"), have invented subject matte	;ľ
("INVENTION") disclosed and/or claimed in a patent application entitled "Search Range	ger
System and Double-Funnel Model For Search Spam Analyses and Browser Protection "	
("APPLICATION"), which:	
will be filed without this executed PATENT ASSIGNMENT. ASSIGNO	JK _
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Lee & Hayes, PLLC, 421 W. Riverside Avenue, Suite 500, Spokane,	
Washington 99201, who are associated with customer number	
22801, to insert here in parenthesis (U.S. Serial No. , filed) this	
APPLICATION's U.S. Serial Number and filing date, when known;	
was filed on and was given U.S. Serial No.;	
is filed concurrently herewith;	
Microsoft Corporation, a Washington Corporation, on behalf of itself a	nd.
its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring,	the
entire and exclusive rights, title and interest in the INVENTION and the APPLICATION	Ŋ
(and all other applications and patents derived therefrom, such as continuing	
applications, in and for the United States, its territories, and all foreign countries	
("APPLICATION DERIVATIVES"));	
For good and valuable consideration, the receipt of which is hereby	
acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers t	(O
the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION ar	id
the APPLICATION (and APPLICATION DERIVATIVES);	
ASSIGNOR agrees to execute all instruments and documents required	for
the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), f	
litigation regarding letters patent derived therefrom, and for the purpose of protect	ing
and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).	
1 - N	
5/31/2067 V/Way	
DATE Yi-Min Wang	
05/31/07 Mino	_
DATE Ming Ma	

RECORDED: 06/28/2007 REEL: 019503 FRAME: 0760