PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Raman S. Iyer	06/17/2005
Joan Bogdan Crivat	06/17/2005
C. James MacLennan	06/17/2005
Scott C. Oveson	06/17/2005
Zhaohui Tang	06/17/2005
Pyungchul Kim	06/20/2005
Rong J. Guan	06/19/2005
Irina G. Gorbach	06/17/2005

RECEIVING PARTY DATA

Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11157602

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PATENT

REEL: 016265 FRAME: 0876

NAME OF SUBMITTER:	Himanshu S. Amin
Total Attachments: 4	
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PATENT REEL: 016265 FRAME: 0877

PATENT ASSIGNMENT

WE, RAMAN S. IYER, IOAN BOGD.	AN CRIVAT, C. JAMES MACLENNAN,
SCOTT C. OVESON, RONG J. GUAN, ZHAOHUI	TANG, PYUNGCHUL KIM, and IRINA G.
GORBACH ("ASSIGNORS"), have invented subje	
claimed in a patent application entitled "EXTE	
("APPLICATION"), which:	•
· · · · · · · · · · · · · · · · · · ·	ecuted PATENT ASSIGNMENT. ASSIGNORS
	est, ASSIGNEE'S legal representatives, of
	E. 9th Street, Cleveland, Ohio 44114,
	tomer number 27195, to insert here in
	11/157602 , filed 6/21/05
•	ial Number and filing date, when known;
	was given U.S. Serial No;
is filed concurrently herewi	
•	gton Corporation, on behalf of itself and
its successors and assigns ("ASSIGNEE"), is en	•
entire and exclusive rights, title and interest i	
(and all other applications and patents derive	
applications, in and for the United States, its	·
("APPLICATION DERIVATIVES"));	controlles) and an iologic doubles
	ation, the receipt of which is hereby
acknowledged by the ASSIGNORS, the ASSIGN	
the ASSIGNEE, the entire and exclusive rights	
the APPLICATION (and APPLICATION DERIVAT	
	instruments and documents required for
the making and prosecution of the APPLICAT	
litigation regarding letters patent derived the	•
and perfecting title to the APPLICATION (and	
and perfecting title to the AFFEICATION (and	ALTERATION DERIVATIVES).
06/17/2005	
DATE	RAMAN S. IYER
06/17/2005	Sunal
DATE	IOAN BOGDAN CRIVAT
6/5/5	
1//2003	
DATE /	C. JAMES MACLENNAN
(0/17/2005	Ar. All. Om
DATE	SCOTT C. OVESON
	JUG I O VESUIX

PATENT REEL: 016265 FRAME: 0878

MS Docket No. MS309071.02 (OC Docket No. MSFTP722USA)

6/17/2005	13/15
DATE	RONG J. GUAN
6/17/2005.	
DATE	ZHAOHUI TANG
DATE	PYUNGCHUL KIM
6/17/2005	Ollina Gorbael
DATE	IRINA G. GORBACH

REEL: 016265 FRAME: 0879

PATENT ASSIGNMENT

•	GDAN CRIVAT, C. JAMES MACLENNAN,
SCOTT C. OVESON, RONG J. GUAN, ZHAOH	·
GORBACH ("ASSIGNORS"), have invented so	ubject matter ("INVENTION") disclosed and/or
claimed in a patent application entitled "D	KTENSIBLE DATA MINING FRAMEWORK"
("APPLICATION"), which:	
oxtimes will be filed without this	executed PATENT ASSIGNMENT. ASSIGNORS
hereby authorize, and re	quest, ASSIGNEE'S legal representatives, of
Amin and Turocy, LLP, 19	900 E. 9th Street, Cleveland, Ohio 44114,
who are associated with	customer number 27195, to insert here in
parenthesis (U.S. Serial N	No. 11/157602 , filed _6/21/05
	Serial Number and filing date, when known;
par	and was given U.S. Serial No
is filed concurrently here	- · · · · · · · · · · · · · · · · · · ·
Microsoft Corporation, a Was	shington Corporation, on behalf of itself and
	entitled to, and is desirous of acquiring, the
	est in the INVENTION and the APPLICATION
(and all other applications and patents der	rived therefrom, such as continuing
applications, in and for the United States,	•
("APPLICATION DERIVATIVES"));	<u>.</u>
For good and valuable consid	deration, the receipt of which is hereby
	IGNORS hereby sell, assign and transfer to
the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION an	
the APPLICATION (and APPLICATION DERIV	
	all instruments and documents required for
	ATION (and APPLICATION DERIVATIVES), for
	therefrom, and for the purpose of protecting
and perfecting title to the APPLICATION (a	
periodicing that to the variety that the	in all bearion behivalives).
DATE	RAMAN S. IYER
,	
DATE	IOAN BOGDAN CRIVAT
	V
DATE	C. JAMES MACLENNAN
DATE	CCOTT C OVERNO
UNIC	SCOTT C. OVESON

PATENT REEL: 016265 FRAME: 0880

DATE	RONG J. GUAN
DATE	ZHAOHUI TANG
6-20-05	Mhrsifs
DATE	PYUNGCHUL KIM
DATE	IRINA G. GORRACH