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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Vladimir Schipunov	07/21/2006
Thomas H. Hargrove	07/24/2006
Rajeev Prasad	07/25/2006

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:	11460070

CORRESPONDENCE DATA

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Address Line 2: 24th Floor, National City Center

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ATTORNEY DOCKET NUMBER: MS314442.01/MSFTP1434US

NAME OF SUBMITTER: Himanshu S. Amin

Total Attachments: 3 source=1434ass#page1.tif

PATENT REEL: 018010 FRAME: 0677

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> PATENT REEL: 018010 FRAME: 0678

WE, VLADIMIR SCHIPUNOV, THOM	AS H. HARGROVE, and KAJEEV PRASAD		
("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in			
a patent application entitled "DATA PROCESSING	GOVER VERY LARGE DATABASES"		
("APPLICATION"), which:			
will be filed without this exec	uted PATENT ASSIGNMENT. ASSIGNORS		
hereby authorize, and reques	t, ASSIGNEE'S legal representatives, of		
Amin. Turocy and Calvin, LLP	, 1900 E. 9th Street, Cleveland, Ohio		
44114 who are associated w	ith customer number 27195, to insert		
here in parenthesis (U.S. Seria	al No. $\frac{11/460,070}{}$, filed $\frac{0/20/00}{}$		
this APPLICATION's U.S. Seria	l Number and filing date, when known;		
was filed on and v	vas given U.S. Serial No;		
is filed concurrently herewith	G		
Microsoft Corporation, a Washing	ton 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 to	erritories, and all foreign countries		
("APPLICATION DERIVATIVES"));			
For good and valuable considerate	tion, the receipt of which is hereby		
acknowledged by the ASSIGNORS, the ASSIGNO	DRS hereby sell, assign and transfer to		
the ASSIGNEE, the entire and exclusive rights,	title and interest in the INVENTION and		
the APPLICATION (and APPLICATION DERIVATIVE	VES);		
ASSIGNORS agree to execute all i	instruments and documents required for		
the making and prosecution of the APPLICATION	ON (and APPLICATION DERIVATIVES), for		
litigation regarding letters patent derived therefrom, and for the purpose of protecting			
and perfecting title to the APPLICATION (and A	APPLICATION DERIVATIVES).		
7/21/2006	Madruir Solognum		
DATE	VLADIMIR SCHIPUNOV		
DATE	THOMAS H. HARGROVE		
DATE	RAJEEV PRASAD		

PATENT REEL: 018010 FRAME: 0679

WE, VLADIMIR SCHIPUNOV, THOMAS	H. HARGROVE, and RAJEEV PRASAD
("ASSIGNORS"), have invented subject matter ("INV	ENTION") disclosed and/or claimed in
a patent application entitled "DATA PROCESSING C	· · · · · · · · · · · · · · · · · · ·
("APPLICATION"), which:	
will be filed without this execute	ed PATENT ASSIGNMENT. ASSIGNORS
	ASSIGNEE'S legal representatives, of
Amin, Turocy and Calvin, LLP, 19	
	customer number 27195, to insert
	o. $\frac{11/460,070}{1000}$, filed $\frac{6/26/06}{1000}$
	umber and filing date, when known;
	given U.S. Serial No;
is filed concurrently herewith;	given 6.5. Jena, No,
Microsoft Corporation, a Washington	Corporation, on behalf of itself and
its successors and assigns ("ASSIGNEE"), is entitled	
entire and exclusive rights, title and interest in the	
(and all other applications and patents derived the	
applications, in and for the United States, its territory	
("APPLICATION DERIVATIVES"));	and an ional graduation
For good and valuable consideration,	the receipt of which is hereby
acknowledged by the ASSIGNORS, the ASSIGNORS	
the ASSIGNEE, the entire and exclusive rights, title	
the APPLICATION (and APPLICATION DERIVATIVES)	
ASSIGNORS agree to execute all instr	
the making and prosecution of the APPLICATION (a	
litigation regarding letters patent derived therefron	
and perfecting title to the APPLICATION (and APPLI	
and perioding title to the Air EleAnon (and Affel	CATION DERIVATIVES).
DATE	ADIMIR SCHIPUNOV
•	D //
7/24/06	16-0
DATE	OMAS H. HARGROVE
	-
DATE RAI	
RAJ	EEV PRASAD

PATENT REEL: 018010 FRAME: 0680

matter ("INVENTION") disclosed and/or claimed in OCESSING OVER VERY LARGE DATABASES" this executed PATENT ASSIGNMENT. ASSIGNORS of request, ASSIGNEE'S legal representatives, of livin, LLP, 1900 E. 9th Street, Cleveland, Ohio clated with customer number 27195, to insert J.S. Serial No. 11/460,070 filed 6/26/06 s.S. Serial Number and filing date, when known; and was given U.S. Serial No
VLADIMIR SCHIPUNOV
THOMAS H. HARGROVE Parcer Borocof RAJEEV PRASAD

PATENT REEL: 018010 FRAME: 0681

RECORDED: 07/27/2006