•	 08-29-2	2003	ET
To The Honorable Commissioner of	of Pat		hed original documents or copy thereof.
1. Name of conveying parties:	102537		ess of receiving party:
Anil K. Nori	August 19, 2003 Date of Execution	Name:	ess of receiving party:  Microsoft Corporation  One Microsoft Way
First Assignor 8. 21.07	Date of Execution	Street Address:	One Microsoft Way
Sameet Agarwal Second Assignor	August 19, 2003 Date of Execution	City:	Redmond
J. Patrick Thompson Third Assignor	August 19, 2003 Date of Execution	State:	Washington ZIP: 98052
Pedro Celis Fourth Assignor	August 19, 2003 Date of Execution		address attached? ☐ YES ☒ NO veyance (check only one):
David G. Campbell Fifth Assignor	August 19, 2003 Date of Execution	New Assignm ☐ License Agree ☐ Change of Na	ment Security Agreement
F. Soner Terek Sixth Assignor	August 20, 2003 Date of Execution		
Additional name(s) of conveying party(ies)	attached? ☐ YES ☒ NO		
4. Identification of Application nu	mber(s), patent number(s) OR	date of execution of	of application to which assignment refers:
Application Nos.:	Patent Nos.:		Date application was signed by the first named executing inventor
	N(XX)		August 19, 2003
100	140580		(Fill-in this date only if assignment is filed together with a new application)
5. Name and address of party to w concerning documents should be m		6. Total number	of applications and patents involved: 1
Name: Richard W. Knight WOODCOCK WASHBURN LLP One Liberty Place - 46th Floor Philadelphia, Pennsylvania 19103-7301 215-568-3100		7. Total fee (37 C Enclosed Authoriz 23-3050	
			any deficiency or credit any overpayment to unt Number 23-3050
	DO NOT US	SE THIS SPACE	
9. Statement and signature.  To the best of my knowledge and loriginal document.	belief, the foregoing informat	ion is true and cor	rect and any attached copy is a true copy of the
_	Return W.	KATA	- 21 AUG Ø 3
Richard W. Knight/42,751 Person Signing/Reg. No.	Signature	A. A. A.	Date
Total number of pages	including cover sheet, assign	ment document and	additional pages attached thereto: 6
Mail documents to be recorded with require 28/2003 LMUELLER 00000215 10646580			
	.00 OP Commission P.O.	ent Recordation Services oner for Patents Box 1450	•

PATENT REEL: 014430 FRAME: 0028

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

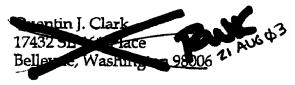
PWK 21ANGO3

Fitle: SYSTEMS AND METHODS FOR DATA MODELING IN AN ITEM-BASED STORAGE PLATFORM

### **PATENT ASSIGNMENT**

#### PARTIES TO THE ASSIGNMENT

### Assignors:



Anil K. Nori 7421 204th Drive NE Redmond, Washington 98053

Sameet Agarwal 8127 149th Place NE, #C-214 Redmond, Washington 98052

J. Patrick Thompson 6020 Sycamore Avenue NW Seattle, Washington 98107 Pedro Celis 20347 NE 61st Court Redmond, Washington 98053

David G. Campbell 22414 NE 30th Court Sammamish, Washington 98074

F. Soner Terek 13695 NE 32<sup>nd</sup> Place Bellevue, Washington 98052

## Assignee:

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

### **AGREEMENT**

WHEREAS, ASSIGNORS (listed above) are inventors of an invention entitled SYSTEMS AND METHODS FOR DATA MODELING IN AN ITEM-BASED STORAGE PLATFORM as described and claimed in the specification forming part of an application for United States letters patent referenced above;

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PATENT

REEL: 014430 FRAME: 0029

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, Washington 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor 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, ASSIGNORS 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 ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS 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 therefor.

> PATENT REEL: 014430 FRAME: 0030

DATE	OPPLAIN J. CLARK
8/19/03 DATE	Northing Russiers ANIL K. NORI
8 19 03 DATE	SAME FT A CARWAL
19 Aug 2003 DATE	J. PATRICK THOMPSON
8//9/03 DATE	PEDRO CELIS
DATE	DAVID G. CAMPBELL
DATE	E CONED TEDEV

DATE	QUENTIN J. CLARK
8/19/03 DATE	Northing Museum ANILK NORT
DATE	SAMEET AGARWAL
DATE	J. PATRICK THOMPSON
8//9/03 DATE	PEDRO CELIS
8/19/03 DATE	DAVID G. CAMPBELL  DAVID G. CAMPBELL
DATE	F. SONER TEREK

F. SONER TEREK

DATE	QUENTID , CLARK
DATE	ANIL K. NORI
DATE	SAMEET AGARWAL
DATE	
DATE	J. PATRICK THOMPSON
DATE	
DATE	PEDRO CELIS
DATE	DAVID G. CAMPBELL
August 20th, 2003	Louiseret
DATE V	F. SONER TEREK

**RECORDED: 08/21/2003**