

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Bor-Ming Hsieh	12/01/2010
Andrew M. Rogers	12/01/2010
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:	12958674
CORRESPONDENCE DATA	
Fax Number:	(503)595-5301
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	503-595-5300
Email:	kristina.bushey@klarquist.com
Correspondent Name:	Douglas Dallmann, Klarquist Sparkman LLP
Address Line 1:	121 SW Salmon Street, Suite 1600
Address Line 2:	One World Trade Center
Address Line 4:	Portland, OREGON 97204
ATTORNEY DOCKET NUMBER:	3382-86196-01
NAME OF SUBMITTER:	Douglas A. Dallmann
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REEL: 025543 FRAME: 0684

MS Docket No.: 331559.01
(OC Docket No. 3382-86196-01)

PATENT ASSIGNMENT

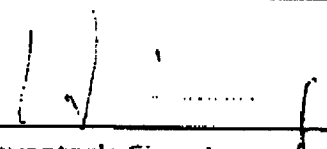
WE, Bor-Ming Hsieh and Andrew M. Rogers ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "EFFICIENT CACHE MANAGEMENT" ("APPLICATION"), which:

- ☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Klarquist Sparkman, LLP, 121 SW Salmon Street, Suite 1600, Portland, OR 97204, who are associated with customer number 26119, to insert here in parenthesis (12/958,674 , filed December 2, 2010) this APPLICATION's Application No. and filing date, when known;
- ☐ was filed on _____ and was given Application No. _____;
- ☐ is filed concurrently herewith;

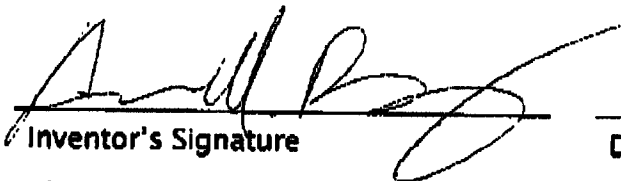
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, 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).

	<u>12/01/2010</u>
Inventor's Signature	Date
<u>Bor-Ming Hsieh</u>	<u>謝伯明</u>
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 331559.01
(OC Docket No. 3382-86196-01)

 Inventor's Signature	01 DEC 2010 Date
Andrew M. Rogers Printed Name in English	 Printed Name in Native Language (if other than English)