PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT		
NATURE OF CONVEYANCE:	Corrective Assignment to correct the name of inventor from NK Srinivas to Nelamangal Krishnaswamy Srinivas previously recorded on Reel 002389 Frame 0414. Assignor(s) hereby confirms the Assignment.		

CONVEYING PARTY DATA

Name	Execution Date
Ara Bernardi	01/17/2008
Nelamangal Krishnaswamy Srinivas	11/11/2011
Ashwin Palekar	01/17/2008

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12016901

CORRESPONDENCE DATA

Fax Number: (509)944-4692 509-324-9256 Phone:

Email: marianne@leehayes.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Lee & Hayes, PLLC

Address Line 1: 601 W. Riverside Ave, Suite 1400 Address Line 4: Spokane, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	MS1-3660US
NAME OF SUBMITTER:	Marianne Wintermute

PATENT

REEL: 027300 FRAME: 0422

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Total Attachments: 6	
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PATENT REEL: 027300 FRAME: 0423 PATENT ASSIGNMENT MS Docket No.: 321837.01

Attorney Docket No.: MS1-3660US

	I/W	E, Ara Ber	nardi, Nela	manga	l Kri	shnaswamy	/ Srini	vas, and As	hwin Palekar,
("/	ASSIGNO	R"), have ir	vented sub	oject m	atter	("INVENTIC	N") di	isclosed and,	or claimed in
a	patent	application	n entitled	"Fair	and	Dynamic	Disk	Input/Outpu	ut Bandwidth
Di	istributio	n" ("APPLIC	ATION"), w	hich:					
								CN1845NIT 46	CICNOD

	will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR
	hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the
	Law and Corporate Affairs Department, Microsoft Corporation, One
	Microsoft Way, Redmond, Washington 98052, who are associated with
	customer number 22801, to insert here in parenthesis (Application No
	, filed) this APPLICATION's Application No.
	and filing date, when known;
\boxtimes	was filed on 1/18/2008 and was given Application No. 12/016,901;
	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).

Inventor's Signature	Date
Ara Bernardi	
Printed Name in English	Printed Name in Native Language (if
	other than English)

PATENT ASSIGNMENT

MS Docket No.: <u>321837.01</u>

Attorney Docket No.: MS1-3660US

orthan	11/11/16
Inventor's Signature	Date
Nelamangal Krishnaswamy Srinivas	
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Ashwin Palekar	
Printed Name in English	Printed Name in Native Language (if other than English)

P.5

MS Docket No. 321837.01 (OC Docket No. MS1-3660US)

PATENT ASSIGN	<u>IMENT</u>
WE, Ara Bernardi, NK Srinivas, and	'Ashwin Palekar, ("ASSIGNORS"), have
invented subject matter ("INVENTION") disclosed	d and/or claimed in a patent application
entitled "FAIR AND DYNAMIC DISK INPUT/OUTPU	T BANDWIDTH DISTRIBUTION"
("APPLICATION"), which:	
will be filed without this exec	uted PATENT ASSIGNMENT. ASSIGNORS
hereby authorizes, and reques	sts, ASSIGNEE'S legal representatives, of
Lee & Hayes, PLLC, 421 W. Riv	erside Avenue, Suite 500, Spokane,
Washington 99201, who are a	ssociated with customer number
22801, to insert here in paren	thesis (U.S. Serial No. 12/016, 901,
filed January 18, 20	○ 🛜) this APPLICATION's U.S. Serial
Number and filing date, when	known;
was filed on and was given L	J.S. Serial No. ;
is filed concurrently herewith:	
	on Corporation, on behalf of itself and
its successors and assigns ("ASSIGNEE"), is entit	led 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 te	rritories, and all foreign countries
("APPLICATION DERIVATIVES"));	
For good and valuable considerati	on, the receipt of which is hereby
acknowledged by the ASSIGNORS, the ASSIGNO	RS hereby sell, assign and transfer to
the ASSIGNEE, the entire and exclusive rights, t	
the APPLICATION (and APPLICATION DERIVATIV	ES);
ASSIGNORS agrees to execute all i	nstruments and documents required for
the making and prosecution of the APPLICATIO	N (and APPLICATION DERIVATIVES), for
litigation regarding letters patent derived there	from, and for the purpose of protecting
and perfecting title to the APPLICATION (and AF	PPLICATION DERIVATIVES).
1/17/2008	Ma Bernal
DATE '	Ara Bernardi
Manfritan may granger 11/11/2011	Oukman
DATE	NK-Srintvas Nelamangal Krishnaswamy Srinivas
1/17/2008	Dalekor
DATE	Ashwin Palekar

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United States Patent and Trademark Office





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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Ara Bernardi	01/17/2008	
NK Srinivas Nelamangal Krishnaswamy Srinivas	(01/17/2008) 11/11/2011	
Ashwin Palekar	01/17/2008	

RECEIVING PARTY DATA

Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	99201

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12016901

CORRESPONDENCE DATA

(206)238-9226

Correspondence will be sent via US Mail when the fax attempt is unsuccessful. 509-324-9256

Phone:

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lynne@leehayes.com

PATENT 1/18/2008 **REEL: 027300 FRAME: 0427**

Correspondent Name: Lee & Hayes, PLLC Address Line 1: 421 W. Riverside Ave, Suite 500 Address Line 4: Spokane, WASHINGTON 99201			
ATTORNEY DOCKET NUMBER:	MS1-3660US		
NAME OF SUBMITTER:	Lynne H. Mahan		
Signature:	/Lynne H. Mahan/		
Date:	01/18/2008		
Total Attachments: 1 source=DA9690#page1.tif			
RECEIPT INFORMATION			
EPAS ID: PAT455 Receipt Date: 01/18/20 Fee Amount: \$40			

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PATENT 1/18/2008

MS Docket No. 321837.01 (OC Docket No. MS1-3660US)

PATENT ASSIGN	MENT. Nelamangal Krishnaswamy Srinivas		
WE, Ara Bernardi, NK Skinivas, and	Ashwin Palekar, ("ASSIGNORS"), have		
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was filed on and was given l			
is filed concurrently herewith			
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litigation regarding letters patent derived therefrom, and for the purpose of protecting			
and perfecting title to the APPLICATION (and Al	PPLICATION DERIVATIVES).		
and perfecting title to the 74.7 Electrical contact	B D		
1/17/2008	My am Bernan		
DATE '	Ara Bernardi		
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	WK-Grigivas Nelamangal Krishnaswamy Srinivas		
DATE	WK-Srigivas Nelamangal Krishnaswamy Srinivas		
1/17/2008	Dalekor		
DATE	Ashwin Palekar		