PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7338755

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ORI AMIGA	04/28/2008
JOHN MACINTYRE	04/28/2008
DHARMA SHUKLA	04/28/2008
JUNFENG ZHANG	04/24/2008

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17747826

CORRESPONDENCE DATA

Fax Number: (425)936-7329

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 425-707-9382

Email: USDocket@microsoft.com MICROSOFT CORPORATION **Correspondent Name:**

Address Line 1: ONE MICROSOFT WAY

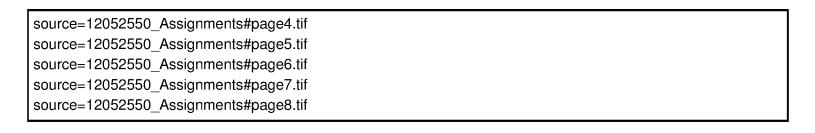
Address Line 4: **REDMOND, WASHINGTON 98052**

ATTORNEY DOCKET NUMBER:	323325-US-CNT[4]	
NAME OF SUBMITTER:	JEFFREY S. WEAVER	
SIGNATURE:	/Jeffrey S. Weaver, #45,608/	
DATE SIGNED:	05/19/2022	

Total Attachments: 8

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> **PATENT** REEL: 059956 FRAME: 0151 507291830



PATENT REEL: 059956 FRAME: 0152

PATENT ASSIGNMENT

	PATENT ASSIGNA	MENT MS Docket No.: 32332	5.01	
("ASSIGNOR"), have inv a patent application er OBJECT HIERARCHY" ("A	ented subject matter ("IN ititled " APPLICATION MA APPLICATION"), which:	a Shukla and Junfeng Zhang NVENTION") disclosed and/or claimed in NNAGEMENT WITHIN DEPLOYABLE		
hereby the Lav Micros custon	r authorizes, and request w and Corporate Affairs E oft Way, Redmond, Wash ner number 69316, to ins , filed) thi	ted PATENT ASSIGNMENT. ASSIGNOR ts, ASSIGNEE'S legal representatives, of Department, Microsoft Corporation, One nington 98052, who are associated with sert here in parenthesis (Application No. and his APPLICATION's Application No. and		
filing date, when known; was filed on 03/20/2008 and was given Application No. 12/052,550; is filed concurrently herewith;				
successors and assigns entire and exclusive rig (and all other applicati applications, in and fo	s ("ASSIGNEE"), is entitled ghts, title and interest in ons and patents derived t r the United States, its te	rporation, on behalf of itself and its d to, and is desirous of acquiring, the the INVENTION and the APPLICATION therefrom, such as continuing erritories, and all foreign countries		
acknowledged by the A the ASSIGNEE, the enti the APPLICATION (and ASSIGNOR agree	lluable consideration, the ASSIGNOR, the ASSIGNOR re and exclusive rights, ti APPLICATION DERIVATIV es to execute all instrume	e receipt of which is hereby R hereby sells, assigns and transfers to title and interest in the INVENTION and /ES); ents and documents required for the and APPLICATION DERIVATIVES), for		
_		efrom, and for the purpose of protecting PPLICATION DERIVATIVES).		
Ori Amiga	Date	Printed Name in Native Language	- !	
John MacIntyre	Date	Printed Name in Native Language	<u>-</u>	

Page 1 of 2

Dharma Shukla

Date

Printed Name in Native Language

Junfeng Zhang

Date

Printed Name in Native Language

PATENT ASSIGNMENT MS Docket No.: 323325.01

I/WE, Ori	Amiga, John Macintyre, Dharma	Shukia and Junfeng 2	'hang
("ASSIGNOR"), h	ave invented subject matter ("IN	VENTION") disclosed a	ind/or claimed in
a patent applica	tion entitled " APPLICATION MAN	NAGEMENT WITHIN DE	PLOYABLE
	CHY" ("APPLICATION"), which:		
	will be filed without this execute	ed PATENT ASSIGNME	NT. ASSIGNOR
	hereby authorizes, and requests	i, ASSIGNEE'S legal rep	oresentatives, of
	the Law and Corporate Affairs D	epartment, Microsoft	Corporation, One
	Microsoft Way, Redmond, Washi	ngton 98052, who are	e associated with
	customer number 69316, to ins	ert here in parenthesi	s (Application No.
	, filed) this	s APPLICATION's Appl	ication No. and
	filing date, when known;		
\boxtimes	was filed on <u>03/20/2008</u> and w	as given Application N	No. <u>12/052,550</u> ;
	is filed concurrently herewith;		
Microsof	: Corporation, a Washington Corp	poration, on behalf of	itself and its
successors and	assigns ("ASSIGNEE"), is entitled	to, and is desirous of	acquiring, the
entire and exclu	sive rights, title and interest in t	he INVENTION and th	e APPLICATION
(and all other ap	plications and patents derived t	herefrom, such as coi	ntinuing
applications, in	and for the United States, its ter	ritories, and all foreig	n countries
("APPLICATION	DERIVATIVES"));		
For good	and valuable consideration, the	receipt of which is he	reby
acknowledged b	by the ASSIGNOR, the ASSIGNOR	hereby sells, assigns	and transfers to
_	ne entire and exclusive rights, tit	•	
	N (and APPLICATION DERIVATIVE		
	R agrees to execute all instrume		quired for the
	secution of the APPLICATION (ar		•
	ling letters patent derived theref		
_	itle to the APPLICATION (and AP		
and perfecting t		LICATION DERIVATIV	L 3).
Signa .	4/28/08	22'NK	')K
Ori Amiga	Date	1,000,000	Native Language
John MacIntyre	Date	Printed Name ir	n Native Language

PATENT ASSIGNMENT

MS Docket No.: 323325.01

Dharma Shukla

Date

Printed Name in Native Language

Junfeng Zhang

Date

Printed Name in Native Language

Page 2 of 2

PATENT ASSIGNMENT MS Docket No.: 323325.01

	The second secon	irma Shukla and Junfeng Zhan	
		("INVENTION") disclosed and/	
		MANAGEMENT WITHIN DEPLO	AARLE
OBJECT HIERAR	CHY" ("APPLICATION"), which	1:	
	THE RESERVE TO A STREET OF THE STREET	ecuted PATENT ASSIGNMENT.	
	hereby authorizes, and requ	uests, ASSIGNEE'S legal repres	entatives, of
	the Law and Corporate Affa	irs Department, Microsoft Cor	poration, One
	Microsoft Way, Redmond, W	ashington 98052, who are as:	sociated with
	customer number 69316, to	o insert here in parenthesis (A	pplication No.
	, filed) this APPLICATION's Applicati	ion No. and
	filing date, when known;		
\boxtimes	was filed on <u>03/20/2008</u> a	nd was given Application No.]	12/052,550;
	is filed concurrently herewi	th;	
Microsof	t Corporation, a Washington	Corporation, on behalf of itse	elf and its
successors and	assigns ("ASSIGNEE"), is ent	itled to, and is desirous of acq	uiring, the
entire and exclu	isive rights, title and interes	t in the INVENTION and the Af	PPLICATION
(and all other a	oplications and patents deri	ved therefrom, such as continu	uing
applications, in	and for the United States, it	s territories, and all foreign co	ountries
("APPLICATION	DERIVATIVES"));		
For good	and valuable consideration	, the receipt of which is hereb	ý
acknowledged l	by the ASSIGNOR, the ASSIG	NOR hereby sells, assigns and	transfers to
_		ts, title and interest in the INV	
the APPLICATIO	N (and APPLICATION DERIVA	ATIVES);	
ASSIGNO	R agrees to execute all instr	uments and documents requir	red for the
making and pro	secution of the APPLICATIO	N (and APPLICATION DERIVATI	IVES), for
		nerefrom, and for the purpose	
		d APPLICATION DERIVATIVES).	
Ori Amiga	Date	Printed Name in Na	tive Language
John MacIntyre	Date	Printed Name in Na	tive Language

Page 1 of 2

PATENT REEL: 059956 FRAME: 0157 PATENT ASSIGNMENT

MS Docket No.: <u>323325.01</u>

Dharma Shukla

Date

Printed Name in Native Language

04/24/08

Junfeng Zhang

Oate

Printed Name in Native Language

MS Docket No.: <u>323325.01</u>

PATENT ASSIGNMENT

("ASSIGNOR"), h a patent applica OBJECT HIERARO	Amiga, John Macintyre, Dharma Shukla and Junfeng Zhang ave invented subject matter ("INVENTION") disclosed and/or claimed in ation entitled " APPLICATION MANAGEMENT WITHIN DEPLOYABLE CHY" ("APPLICATION"), which: 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 69316, to insert here in parenthesis (Application No.		
	, filed) this APPLICATION's Application No. and		
	filing date, when known;		
\boxtimes	was filed on 03/20/2008 and was given Application No. 12/052,550;		
	is filed concurrently herewith;		
Microsof	t Corporation, a Washington Corporation, on behalf of itself and its		
successors and	assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the		
	isive rights, title and interest in the INVENTION and the APPLICATION		
	oplications and patents derived therefrom, such as continuing		
• •	and for the United States, its territories, and all foreign countries		
("APPLICATION			
_	and valuable consideration, the receipt of which is hereby		
_	by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to		
	he entire and exclusive rights, title and interest in the INVENTION and N (and APPLICATION DERIVATIVES);		
	R agrees to execute all instruments and documents required for the		
	osecution 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).			
Ori Amiga	Date Printed Name in Native Language		
nin.			
HUL	7 04/28/2008 John Macintyre		
John Macintyre	Date Printed Name in Native Language		

	PATENT ASSIGNMENT	MS Docket No.: <u>323325.01</u>
Dharma Shukla	Date	Printed Name in Native Language
 Junfeng Zhang	Date	Printed Name in Native Language