PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2788166

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHEE KIONG FONG	03/19/2014
DAVID RICHARD PERCHILK	03/26/2014
SUET FONG TIN	03/20/2014
MICHAEL DONOVAN RULIEN	03/20/2014
PERRY SAMUEL STULTZ	03/24/2014
EDWARD C. GIAIMO III	03/21/2014

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:	14227119

CORRESPONDENCE DATA

Fax Number: (509)755-7252

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

US Mail.

Phone: 5097557262

Email: travis@wolfe-sbmc.com

Correspondent Name: WOLFE-SBMC

Address Line 1: 601 W MAIN AVENUE

Address Line 2: SUITE 1300

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	341438.01
NAME OF SUBMITTER:	CHRISTOPHER J. CULBERSON, REG# 59,136
SIGNATURE:	/Christopher J. Culberson/
DATE SIGNED:	03/27/2014

Total Attachments: 12

502741570 REEL: 032540 FRAME: 0446

PATENT

source=34143801Assignments#page1.tif	
source=34143801Assignments#page2.tif	
source=34143801Assignments#page3.tif	
source=34143801Assignments#page4.tif	
source=34143801Assignments#page5.tif	
source=34143801Assignments#page6.tif	
source=34143801Assignments#page7.tif	
source=34143801Assignments#page8.tif	
source=34143801Assignments#page9.tif	
source=34143801Assignments#page10.tif	
source=34143801Assignments#page11.tif	
source=34143801Assignments#page12.tif	

PATENT REEL: 032540 FRAME: 0447

PATENT ASSIGNMENT MS Docket No.: 341438.01 I Chee Kiong Fong ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Leakage Reduction Circuit" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on _____ Application No. by the following Office __) this APPLICATION's Application No., filing date, and Office, when known; was filed on _____ and was given Application No ______ by the following Office 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes. and requests, **ASSIGNEE'S** LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office
14/227,119	March 27, 2014	US

PATENT **REEL: 032540 FRAME: 0448**

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, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

=-6.47	3/19/2014
Inventor's Signature	Date
Chee Kiong Fong	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>David Richard Perchilk</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Leakage Reduction Circuit</u>" ("APPLICATION"), which:

MS Docket No.: 341438.01

\triangle	will	be	filed.	ASSI	GNOR	hereby	author	izes,	and	req	uests,
	ASSI	GNE	E'S leg	al repre	sentati	ves, of th	ne Law	and C	orpor	ate /	Affairs
	Depa	artm	ent, M	icrosoft	Corpo	ration, O	ne Micr	osoft	Way,	Red	mond,
	Wasl	ning	ton 98	052 (AS	SIGNEE	'S LEGAL	REPRES	SENTA	TIVES), to	insert
	here	in	parer	itheses	(filed	on				and	given
	Appl	icati	on	No.			_ by	/ t	he	foll	owing
	Offic	- ^)	this	APPL	_ICA7	ΓΙΟΝ's
	Onic	.е _					<u>.</u>				
		_	on No.	, filing	date, aı	nd Office	, when	knowr	ı;		
		_	on No.	, filing (date, ai	nd Office	, when	knowr	ı;		
	Appl	icati		. 3	·	nd Office and was g	,		·		
	Appl	icati	on		a		jiven A _l		·		
	Appl was	icati	on		a	ınd was g	jiven A _l		·		

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office	_
14/227,119	March 27, 2014	US	_

MS Docket No.: 341438.01

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, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

222 Daw//	3/26/2014	4
Inventor's Signature	Date	4.
David Richard Perchilk		壕
Printed Name in English	Printed Name in Native Langu	age
	(if other than English)	

l <u>Suet F</u> o	ong Tin ("AS	SIGNOR") am	the original	inventor c	or an origin	al joint
inventor of su	bject matter	("INVENTION") disclosed	and/or cla	aimed in a	patent
application entit	tled " <u>Leakage</u>	Reduction Circ	<u>uit</u> " ("APPLIC	:ATION"), wh	hich:	
⊠ wi	ll he filed	ASSIGNOR	herehy aut	horizes ar	nd ranuacts	

ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert
here in parentheses (filed on and given
Application No by the following
Office
Application No., filing date, and Office, when known;
was filed on and was given Application
No by the following Office
ss

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Filing Date	Office	
March 27, 2014	US	
		······································
······	·········	
	March 27, 2014	Filing Date Office

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, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

TwomPry	-, / I.
Inventor's Signature	5/20/1φ Date
Suet Fong Tin	Suet Fong Tin
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Michael Donovan Rulien</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Leakage Reduction Circuit</u>" ("APPLICATION"), which:

\triangle	will	be	filed.	ASSI	GNOR	hereby	author	izes,	and	req	uests,
	ASSI	GNE	E'S leg	al repre	sentati	ves, of th	ne Law	and C	orpor	ate /	Affairs
	Depa	artm	ent, M	icrosoft	Corpo	ration, O	ne Micr	osoft	Way,	Red	mond,
	Wasl	ning	ton 98	052 (AS	SIGNEE	'S LEGAL	REPRES	SENTA	TIVES), to	insert
	here	in	parer	itheses	(filed	on				and	given
	Appl	icati	on	No.			_ by	/ t	he	foll	owing
	Offic	- ^)	this	APPL	_ICA7	ΓΙΟΝ's
	Onic	.е _					<u>.</u>				
		_	on No.	, filing	date, aı	nd Office	, when	knowr	ı;		
		_	on No.	, filing (date, ai	nd Office	, when	knowr	ı;		
	Appl	icati		. 3	·	nd Office and was g	,		·		
	Appl	icati	on		a		jiven A _l		·		
	Appl was	icati	on		a	ınd was g	jiven A _l		·		

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office	_
14/227,119	March 27, 2014	US	_

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, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

March 20, 2014
Date
Printed Name in Native Language (if other than English)

I <u>Perry Samuel Stultz</u> ("ASSIGNOR") am the original inventor or an original joint

inventor of subject matter (" application entitled " <u>Leakage Re</u>		
ASSIGNEE'S legal r Department, Micro Washington 98052 here in parenthe Application No Office	ASSIGNOR hereby auth epresentatives, of the Lavosoft Corporation, One Mile (ASSIGNEE'S LEGAL REPROPORTION) Sees (filed on	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following this APPLICATION's
No	and was given and was given by the following Office	
Microsoft Corporation, a successors and assigns ("ASSIG entire and exclusive rights, tit INVENTION and the APPLICATION therefrom, such as continuing states, its territories, and all for	NEE"), is entitled to, and le and interest, including ION (and all other appl applications, in whole or	y the right of priority, in the ications and patents derived in part, in and for the United
ASSIGNOR hereby a REPRESENTATIVES to insert th following table for any APPLICAT	e Application No., filin	
Application No.	Filing Date	Office
14/227,119	March 27, 2014	US

Application No.	rning Date	Office
14/227,119	March 27, 2014	US
	·	k

MS Docket No.: 341438.01

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, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

Perry Samuel Stultz	3/24/14 Date
Printed Name in English	Printed Name in Native Language (if other than English)

Mar 21 14 06:27a Clearsoft, Inc.

MS Docket No.: 341438.01

PATENT ASSIGNMENT

<u>E</u>	dwa	ard C. Gia	aimo, III	("ASSIGNOR") ar	n the origin	nal inven	itor or an	ori	gin	al joint
inventor	of	subject	matter	("INVENTION")	disclosed	and/or	claimed	in	a	patent
application	on e	ntitled "L	.eakage	Reduction Circu	it" ("APPLIC	ATION").	which:			

X	will	be	filed.	ASSI	GNOR	hereby	authorize	es, ar	id req	uests,
	ASSI	GNE	E'S lega	l repre	sentati	ves, of th	ne Law an	d Corp	orate A	\ffairs
	Depa	artm	ent, Mic	crosoft	Corpo	ration, O	ne Micros	oft Wa	y, Redr	nond,
	Wasl	hingt	ton 980	52 (AS	SIGNEE	'S LEGAL	REPRESEN	VITATI	ES), to	insert
	here	in	parent	heses	(filed	on	·····		and	given
	Appl	icati	on 1	No.			_ by	the	folk	owing
	Offic	e_	Market and the second of the s	***************************************) th	iis AF	PPLICAT	'ION's
	Appl	icati	on No.,	filing o	date, ar	nd Office	, when kn	own;		
	Was	filed	on		a	nd was g	jiven Appl	icatior	3	
	No_			b	y the fo	ollowing	Office			
	14									
	70 ************************************			***************************************	······································					

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Application No.	Filing Date	Office	
14/227,119	March 27, 2014	US	
TODOMORINA HOMOTON AND AND AND AND AND AND AND AND AND AN			
PARTY NAVANANANANANANANANANANANANANANANANANAN			
WWW.141-2-11111		i	
, <u>, , , , , , , , , , , , , , , , , , </u>	· ·		
	i .		

Page 1 of 2

REEL: 032540 FRAME: 0458

MS Docket No.: 341438.01

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, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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

Edward C. Giaimo, III

Printed Name in English

Printed Name in Native Language

(if other than English)

Page 2 of 2

RECORDED: 03/27/2014 REEL: 032540 FRAME: 0459