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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jack W. Stokes III	02/18/2008
Henrique S. Malvar	02/17/2008
Diego Ariel Bendersky	02/18/2008

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:	12037088

CORRESPONDENCE DATA

Fax Number: (425)936-7329

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 425-707-2290

Email: dbouton@microsoft.com

Correspondent Name: Dianne Bouton
Address Line 1: One Microsoft Way

Address Line 4: Redmond, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	322946.01

NAME OF SUBMITTER: Steven Spellman

Total Attachments: 3

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PATENT 500615773 REEL: 021359 FRAME: 0682

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PATENT REEL: 021359 FRAME: 0683

MS Docket No. 322946.01

	PATENT ASSIGNMENT
I/WE, Jack W. S	Stokes III, Henrique S. Malvar and Diego Ariel Bendersky
("ASSIGNOR"), have invented	subject matter ("INVENTION") disclosed and/or claimed in a
patent application entitled '	HARMONIC DISTORTION RESIDUAL ECHO SUPPRESSION"
("APPLICATION"), which:	
🗵 will be filed	without this executed PATENT ASSIGNMENT. ASSIGNOR hereby
authorizes,	and requests, ASSIGNEE'S legal representatives, of the Law and
Corporate A	Affairs Department, Microsoft Corporation, One Microsoft Way,
Redmond, \	Nashington 98052, who are associated with customer number
69316, to i	nsert here in parenthesis (Application No. $\underline{^{12/037,088}}$, filed
	this APPLICATION's Application No. and filing date, when
known;	
☐ was filed or	n and was given Application No;
is filed cond	currently herewith;
Microsoft Cor	poration, a Washington Corporation, on behalf of itself and its
successors and assigns ("AS	SSIGNEE"), is entitled to, and is desirous of acquiring, the entire
and exclusive rights, title a	nd interest in the INVENTION and the APPLICATION (and all other
applications and patents de	rived 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 ASSIG	NOR, the ASSIGNOR hereby sells, assigns and transfers to the
	clusive rights, title and interest in the INVENTION and the
APPLICATION (and APPLICA	
	ees to execute all instruments and documents required for the
-	the APPLICATION (and APPLICATION DERIVATIVES), for litigation
	ived therefrom, and for the purpose of protecting and perfecting
	nd APPLICATION DERIVATIVES).
······································	······································
Date	Jack W. Stokes III
Feb. 17 2008	HXU -
	<u> </u>
Date	Henrique S. Malvar

Page 1 of 1 **PATENT REEL: 021359 FRAME: 0684**

Diego Ariel Bendersky

Date

MS Docket No. 322946.01

<u>PATENT AS</u>	<u>SSIGNMEN I</u>
I/WE, Jack W. Stokes III, Henrique	S. Malvar and Diego Ariel Bendersky
("ASSIGNOR"), have invented subject matter ("I	NVENTION") disclosed and/or claimed in a
patent application entitled "HARMONIC DISTOI	RTION RESIDUAL ECHO SUPPRESSION"
("APPLICATION"), which:	
🗵 will be filed without this execu	ted PATENT ASSIGNMENT. ASSIGNOR hereby
authorizes, and requests, ASSI	GNEE'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 paren	thesis (Application No. $\underline{^{12/037,088}}$, filed
<u>02/26/2008</u>) this APPLICATION'	s Application No. and filing date, when
known;	
\square was filed on and v	vas given Application No;
\Box is filed concurrently herewith;	
Microsoft Corporation, a Washing	gton Corporation, on behalf of itself and its
successors and assigns ("ASSIGNEE"), is entitle	d to, and is desirous of acquiring, the entire
and exclusive rights, title and interest in the IN	NVENTION and the APPLICATION (and all other
applications and patents derived therefrom, su	uch as continuing applications, in and for the
United States, its territories, and all foreign co	untries ("APPLICATION DERIVATIVES"));
For good and valuable considera	tion, the receipt of which is hereby
acknowledged by the ASSIGNOR, the ASSIGNO	R 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 i	nstruments and documents required for the
making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation
regarding letters patent derived therefrom, an	d for the purpose of protecting and perfecting
title to the APPLICATION (and APPLICATION DE	ERIVATIVES).
Feb 18, 2008	Jule W. Stokes IIT
Date	Jack W. Stokes III
 Date	Henrique S. Malvar

Page 1 of 1 **PATENT REEL: 021359 FRAME: 0685**

Diego Ariel Bendersky

Date

MS Docket No. 322946.01

	<u>PAT</u>	ENT ASSIGNMENT		
1/\	WE, Jack W. Stokes III, He	nrique S. Malvar and Diego Ariel Bendersky		
("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a				
patent applicati	on entitled "HARMONIC	DISTORTION RESIDUAL ECHO SUPPRESSION"		
("APPLICATION"				
\mathbf{x}	will be filed without this	executed PATENT ASSIGNMENT. ASSIGNOR hereby		
	authorizes, and request	s, ASSIGNEE'S legal representatives, of the Law and		
	Corporate Affairs Depar	tment, Microsoft Corporation, One Microsoft Way,		
	Redmond, Washington 9	98052, who are associated with customer number		
	69316, to insert here in	parenthesis (Application No. $\frac{12/037,088}{}$, filed		
		ATION's Application No. and filing date, when		
	known;			
	was filed on	_ and was given Application No;		
	is filed concurrently her	ewith;		
M	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 ri	ights, title and interest ir	n the INVENTION and the APPLICATION (and all other		
applications and	d patents derived therefr	rom, such as continuing applications, in and for the		
United States, it	ts territories, and all fore	eign countries ("APPLICATION DERIVATIVES"));		
Fo	or good and valuable con	sideration, the receipt of which is hereby		
acknowledged i	by the ASSIGNOR, the AS	SIGNOR hereby sells, assigns and transfers to the		
ASSIGNEE, the e	entire and exclusive right	ts, title and interest in the INVENTION and the		
APPLICATION (a	and APPLICATION DERIVA	ATIVES);		
AS	SSIGNOR agrees to execu	ite all instruments and documents required for the		
making and pro	secution of the APPLICA	TION (and APPLICATION DERIVATIVES), for litigation		
regarding letter	rs patent derived therefro	om, and for the purpose of protecting and perfecting		
title to the APPI	LICATION (and APPLICAT	ION DERIVATIVES).		
		Ingle W. Canlana III		
Date		Jack W. Stokes III		
Date		Henrique S. Malvar		
2/12/03		Delah _		
Date		Djego Ariel Bendersky		

Page 1 of 1