

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Paul Michael Irwin</td> <td>05/02/2008</td> </tr> <tr> <td>Hans Peter Hess</td> <td>05/02/2008</td> </tr> <tr> <td>Lorcan Mooney</td> <td>05/04/2008</td> </tr> <tr> <td>Renaud Bordelet</td> <td>05/05/2008</td> </tr> </tbody> </table>		Name	Execution Date	Paul Michael Irwin	05/02/2008	Hans Peter Hess	05/02/2008	Lorcan Mooney	05/04/2008	Renaud Bordelet	05/05/2008
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Paul Michael Irwin	05/02/2008										
Hans Peter Hess	05/02/2008										
Lorcan Mooney	05/04/2008										
Renaud Bordelet	05/05/2008										
RECEIVING PARTY DATA											
Name:	Microsoft Corporation										
Street Address:	One Microsoft Way										
Internal Address:	Law and Corporate Affairs Department										
City:	Redmond										
State/Country:	WASHINGTON										
Postal Code:	98052										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12116110</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12116110						
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Application Number:	12116110										
CORRESPONDENCE DATA											
Fax Number:	(415)369-9665										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	415.369.9660										
Email:	rsmith@vierramagen.com										
Correspondent Name:	Larry E. Vierra										
Address Line 1:	575 Market Street										
Address Line 2:	Suite 2500										
Address Line 4:	San Francisco, CALIFORNIA 94105										
ATTORNEY DOCKET NUMBER:	MSFT-01229US0										
NAME OF SUBMITTER:	Larry E. Vierra										

CH \$40.00 12116110

Total Attachments: 5

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PATENT ASSIGNMENT

WE, Paul Michael Irwin, Hans Peter Hess, Lorcan Mooney, and Renaud Bordelet ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DIGITAL TV SCANNING OPTIMIZATION" ("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 22971, to insert here in parenthesis (Application No. 12/116,110, filed May 6, 2008) 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).

Paul Michael Irwin

22 May 2008

Inventor's Signature

Date

Paul Michael Irwin


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 *Hans Peter Hess*
Hans Peter Hess

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).

Lorcan Mooney 5/4/2008
Inventor's Signature Date Lorcan Mooney

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).

 5/5/08 RENAUD BORDELET
Inventor's Signature Date Renaud Bordelet