

PATENT ASSIGNMENTMS Docket No.: 316266.04
(OC Docket No.: MS6-0126US)

WE, Thomas Minka, Thore KH Graepel, and Ralf Herbrich, ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Determining Relative Skills of Players" ("APPLICATION"), which:

will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Lee & Hayes, PLLC, 421 W. Riverside Avenue, Suite 500, Spokane, Washington 99201, who are associated with customer number 22801, to insert here in parenthesis (Application No. 12/278,387 filed 8/5/2008) 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).

<u>Thomas Minka</u>	<u>August 1, 2008</u>	<u>Thomas Minka</u>
Inventor's Signature	Date	Printed Name in Native Language
<hr/>		
		<u>Thore KH Graepel</u>
Inventor's Signature	Date	Printed Name in Native Language
<hr/>		
		<u>Ralf Herbrich</u>
Inventor's Signature	Date	Printed Name in Native Language

PATENT ASSIGNMENT

MS Docket No.: 316266.04
(OC Docket No.: M56-0126US)

WE, Thomas Minka, Thore KH Graepel, and Ralf Herbrich, ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Determining Relative Skills of Players" ("APPLICATION"), which:

will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Lee & Hayes, PLLC, 421 W. Riverside Avenue, Suite 500, Spokane, Washington 99201, 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;



was filed on August 5, 2008 and was given Application No. 12/278,387;

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"));

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<u>Thomas Minka</u>		
Inventor's Signature	Date	Printed Name in Native Language
	<u>11/08/08</u>	<u>Thore KH Graepel</u>
Inventor's Signature	Date	Printed Name in Native Language
	<u>11/8/2008</u>	<u>Ralf Herbrich</u>
Inventor's Signature	Date	Printed Name in Native Language