506132403 06/30/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
GEROLD HINTZ	06/30/2020	
ERIC CRESTAN	06/30/2020	
ANDREAS BODE	06/30/2020	
TOBIAS ROLF HASSMANN	06/30/2020	

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:	16916855				

CORRESPONDENCE DATA

Fax Number:

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.

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Email: usdocket@microsoft.com

Correspondent Name: MERCHANT & GOULD (MICROSOFT)

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	14917.3869US01/408648USNP
NAME OF SUBMITTER:	ETHAN W. BELL
SIGNATURE:	/Ethan W. Bell/
DATE SIGNED:	06/30/2020

Total Attachments: 8

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PATENT 506132403 REEL: 053088 FRAME: 0801

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PATENT REEL: 053088 FRAME: 0802

PATENT ASSIGNMENT

I <u>Gerold HIN</u> T	Z ("ASSIGNOR")	am the	original inve	entor or an	original joint
inventor of subject	matter ("INVEN"	TION") di	isclosed and	l/or claimed	in a patent
application entitled "!	NTERACTIVE SEA	BCH TRAI	<u>NING</u> " ("APPL	ICATION"), w	nich:

	ASSIGNOR hereby authorizes, and requests representative, Microsoft Technology Licensing
•	representative, microsoft recimology citerising oft Way, Redmond, Washington 98052 (ASSIGNEE)
	ITATIVES), to insert here in parentheses (file
on	and given Application
No	by the following Office <u>US - United State</u>
Patent and Trade	mark Office) this APPLICATION's Application No.
	<u>mark Office)</u> this APPLICATION's Application No. Iffice, when known;
filing date, and C	
filing date, and C	ffice, when known;

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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

Page 1 of 2

PATENT REEL: 053088 FRAME: 0803

PATENT ASSIGNMENT

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).

	6/30/2000
Înventor's Signature	Date
Gerold HINTZ	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

		inventor or an original joint
inventor of subject matter ("INTERACTIVE application entitled"		
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		Technology Licensing,
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		in parentheses (filed
on	and	given Application
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		TION's Application No.,
filing date, and Offic	ce, when known;	
	and was given	Application
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at ·	31 ₊	
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Microsoft Technology Licer behalf of itself and its successor desirous of acquiring, the entire right of priority, in the INVENTION patents derived therefrom, such a for the United States, its ter DERIVATIVES")):	ors and assigns ("ASSI and exclusive rights, to I and the APPLICATION as continuing application	tle and interest, including the (and all other applications and ons, in whole or in part, in and
DERIVATIVES //,		
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Application No.	ling Date	Office
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Page 1 of 2

PATENT ASSIGNMENT

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	06/30/2020
Inventor's Signature	Date
Eric CRESTAN	Eric CRESTAN
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I <u>Andreas BODE</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "INTERACTIVE SEARCH TRAINING" ("APPLICATION"), which:

\boxtimes	will	be	filed.	ASSIGNO	R hereby	auth	orizes,	and r	equests,	
	ASSI	GNE	E'S lega	l represent	ative, Mic	rosoft	Techno	ology Li	censing,	
	LLC,	One	Micros	oft Way, Re	dmond, W	ashing	ton 98	052 (AS	SIGNEE'S	
	LEG	AL F	REPRESE	NTATIVES),	to insert	here	in pa	renthes	es (filed	
	on				and	i	given	Ap	plication	
	No by the following Office <u>US - United States</u>									
	Pate	Patent and Trademark Office) this APPLICATION's Application No.								
	filin	filing date, and Office, when known;								
	was	file	d on		and was	given	Applica	ation		
	No by the following Office									
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Microsoft Technology Licensing, LLC, a Washington limited liability company, 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

Page 1 of 2

PATENT REEL: 053088 FRAME: 0807

PATENT ASSIGNMENT

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"));

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Andreas Jude Inventor's Signature	
Andreas BODE	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

I Tobias Rolf HASSMANN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "INTERACTIVE SEARCH TRAINING" ("APPLICATION"), which:

	ASSIGNEE'S legical LLC, One Microst LEGAL REPRESE on No. Patent and Trace	al representative, Nosoft Way, Redmond, NTATIVES), to inso	by authorizes, an dicrosoft Technolog Washington 98052 ert here in parent and given ring Office <u>US – U</u> APPLICATION's App	y Licensing, (ASSIGNEE'S heses (filed Application nited States
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desirous of right of prio patents deri	acquiring, the er rity, in the INVEN ved therefrom, si ited States, its	itire and exclusive TION and the APPLI uch as continuing a	s ("ASSIGNEE"), is orights, title and intendent of the CATION (and all oth pplications, in wholeall foreign countri	erest, including the er applications and e or in part, in and
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Page 1 of 2

PATENT ASSIGNMENT

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Inventor's Signature	06/30/2020 Date
Tobias Rolf HASSMANN Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2