504739182 01/22/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4785910

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ASHISH MISHRA	01/18/2018
PUHAZHOLI VETRIVEL	01/19/2018
PHILIP K NEWMAN	01/18/2018
SUDHAKAR NARAYANAMURTHY	01/18/2018

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:	15876339

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.

Phone: 425-707-9382 Email: drud@khcip.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

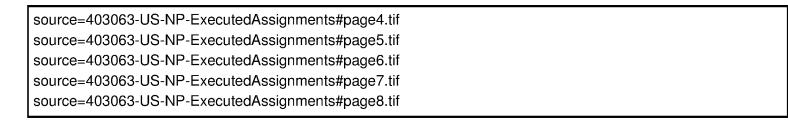
Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	403063-US-NP
NAME OF SUBMITTER:	DAWN C. RUD
SIGNATURE:	/Dawn C. Rud/
DATE SIGNED:	01/22/2018

Total Attachments: 8

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PATENT 504739182 REEL: 044685 FRAME: 0494



PATENT REEL: 044685 FRAME: 0495

	PATENT A	SSIGNMENT	MS Docket No.:	403063-US-NP
inventor of	subject matter ("I	NVENTION") dis	original inventor or closed and/or clair TTACK TRACKERS"	ned in a patent
	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Office	epresentative, M t Way, Redmond, ATIVES), to inse and given Ap 2 <u>US – United Stat</u>	oy authorizes, and licrosoft Technology Washington 98052 (ert here in parenth plication No. es Patent and Traden ., filing date, and O	Licensing, ASSIGNEE'S leses (filed lines by lines office)
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behalf of its of acquiring priority, in t derived ther United State	elf and its successors, the entire and exc he INVENTION and t refrom, such as cont is, its territories, and	s and assigns ("As clusive rights, tit he APPLICATION cinuing application all foreign coun	ashington limited lial SSIGNEE"), is entitled le and interest, inclu (and all other applica- ons, in whole or in p tries ("APPLICATION	to, and is desirous uding the right of ations and patents art, in and for the DERIVATIVES"));
to insert th	e Application No., f	iling date, and (s, ASSIGNEE'S LEGAL Office into the follov	REPRESENTATIVES ving table for any
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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).

01=	01/18/2018
Inventor's Signature	Date
Ashish MISHRA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	I	PATENT A	SSIGNMENT	MS Do	ocket No.:	403063-US-NI
inventor	of subject	matter ("	INVENTION") di	sclosed a	ınd/or claim	an original join ned in a paten ("APPLICATION")
	ASSIGNE LLC., Or LEGAL on the follo	E'S legal in the Microsof REPRESENT	ASSIGNOR here representative, In the Way, Redmond FATIVES), to insumand given A reuse US - United States Application No.	Microsoft , Washing ert here pplication tes Patent	Technology ton 98052 (A in parenthe No and Tradem	Licensing, ASSIGNEE'S eses (filedby ark Office)
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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	01/19/2018- Date
Puhazholi VETRIVEL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.:

403063-US-NP

I <u>Philip K. NEWMAN</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>CONFIGURABLE CYBER-ATTACK TRACKERS</u>" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing,
	LLC., 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 <u>US - United States Patent and Trademark Office</u>)
	this APPLICATION's Application No., filing date, and Office, when known;
	was filed onand was given Application No
	by the following Office " <u>US - United States Patent and Trademark</u> <u>Office</u>)";

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;

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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

Philip K. NEWMAN

Printed Name in English

Printed Name in Native Language (if other than English)

PATENT A	ASSIGNMENT MS D	ocket No.:	403063-US-NI			
I <u>Sudhakar NARAYANAM</u> original joint inventor of subjection entitled " <u>CON</u> which:		disclosed and	or claimed in a			
oxtimes will be filed.	ASSIGNOR hereby auth	orizes, and	requests,			
ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., 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 <u>US - United States Patent and Trademark Office</u>) this APPLICATION's Application No., filing date, and Office, when known;						
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Microsoft Technology Lic behalf of itself and its successor of acquiring, the entire and ex priority, in the INVENTION and t derived therefrom, such as cont United States, its territories, and	s and assigns ("ASSIGNEE" clusive rights, title and in he APPLICATION (and all c tinuing applications, in w	i, is entitled to nterest, includ other applicati hole or in par	o, and is desirous ling the right of ions and patents t, in and for the			
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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).

01/18/2018

Inventor's Signature

Date

Sudhakar NARAYANAMURTHY

Printed Name in English

Printed Name in Native Language

(if other than English)

RECORDED: 01/22/2018