

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5755282

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PALANIVELRAJAN RAJAN SHANMUGAVELAYUTHAM	10/25/2016
KOICHI YAMADA	05/25/2016
VADIM SUKHOMLINOV	05/19/2019
IGOR MUTTIK	05/18/2016
OLEKSANDR BAZHANIUK	10/27/2016
YURIY BULYGIN	06/01/2016
DMITRI RUBAKHA	05/23/2016
JENNIFER ELIGIUS MANKIN	10/15/2016
CARL D. WOODWARD	10/26/2016
SEVIN F. VAROGLU	09/26/2016
DIMA MIRKIN	10/10/2016
ALEX NAYSHTUT	09/25/2016

RECEIVING PARTY DATA

Name:	MCAFFEE, INC.
Street Address:	2821 MISSION COLLEGE BOULEVARD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16572277

CORRESPONDENCE DATA

Fax Number: (312)580-9696

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: 3125801020

Email: nbetancourt@hfzlaw.com

Correspondent Name: HANLEY FLIGHT & ZIMMERMAN, LLC

Address Line 1: 150 S. WACKER DRIVE

Address Line 2: SUITE 2200

PATENT

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	20344/P87404C
NAME OF SUBMITTER:	JAMES A. FLIGHT
SIGNATURE:	/James A Flight/
DATE SIGNED:	10/04/2019

Total Attachments: 13

source=87404C-Assignment_ALL-signed#page1.tif
source=87404C-Assignment_ALL-signed#page2.tif
source=87404C-Assignment_ALL-signed#page3.tif
source=87404C-Assignment_ALL-signed#page4.tif
source=87404C-Assignment_ALL-signed#page5.tif
source=87404C-Assignment_ALL-signed#page6.tif
source=87404C-Assignment_ALL-signed#page7.tif
source=87404C-Assignment_ALL-signed#page8.tif
source=87404C-Assignment_ALL-signed#page9.tif
source=87404C-Assignment_ALL-signed#page10.tif
source=87404C-Assignment_ALL-signed#page11.tif
source=87404C-Assignment_ALL-signed#page12.tif
source=87404C-Assignment_ALL-signed#page13.tif

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Palanivelrajan Rajan Shanmugavelayutham, Koichi Yamada, Vadim Sukhomlinov, Igor Muttik, Oleksandr Bazhaniuk, Yuriy Bulygin, Dmitri Rubakha, Jennifer Eligius Mankin, Carl D. Woodward, Sevin F. Varoglu, Dima Mirkin and Alex Nayshtut

hereby sell, assign, and transfer to:

McAfee, Inc.

a corporation of Delaware, having a principal place of business at 2821 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

HARDWARE HEURISTIC-DRIVEN BINARY TRANSLATION-BASED EXECUTION ANALYSIS FOR RETURN-ORIENTED PROGRAMMING MALWARE DETECTION

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on October 26, 2015 as

United States Application Number 14/923,184 and
COUNTRY or International Office


which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

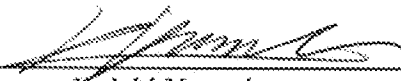
 _____ Palanivelrajan Rajan Shanmugavelayutham	<u>10/25/2016</u> _____ Date signed
_____ Koichi Yamada	_____ Date signed
_____ Vadim Sukhomlinov	_____ Date signed
_____ Igor Muttik	_____ Date signed
_____ Oleksandr Bazhaniuk	_____ Date signed
_____ Yuriy Bulygin	_____ Date signed
_____ Dmitri Rubakha	_____ Date signed
_____ Jennifer Eligius Mankin	_____ Date signed

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Palanivelrajan Rajan Shanmugavelayutham

Date signed



Koichi Yamada

5/25/2016

Date signed

Vadim Sukhomlinov

Date signed

Igor Muttik

Date signed

Oleksandr Bazhaniuk

Date signed

Yuriy Bulygin

Date signed

Dmitri Dima Rubakha

Date signed

Jennifer Eligius Mankin

Date signed

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Palanivelrajan Rajan Shanmugavelayutham

Date signed

Koichi Yamada

Date signed



05/19/2016

Vadim Sukhomlinov

Date signed

Igor Muttik

Date signed

Oleksandr Bazhaniuk

Date signed

Yuriy Bulygin

Date signed

Dmitri Dima Rubakha

Date signed

Jennifer Eligius Mankin

Date signed

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Palanivelrajan Rajan Shanmugavelayutham

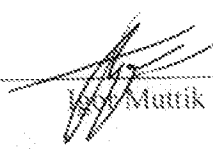
Date signed

Koichi Yamada

Date signed

Vadim Sukhomlinov

Date signed


Vadim Mutik

18 MAY 2016

Date signed

Oleksandr Bazhaniuk

Date signed

Yuriy Balygin

Date signed

Dmitri Dima Rubakha

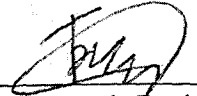
Date signed

Jennifer Eligius Mankin

Date signed

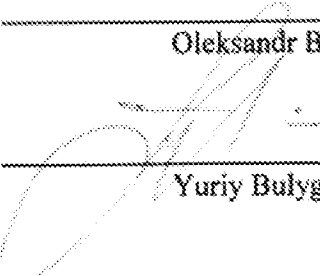
all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

_____ Palanivelrajan Rajan Shanmugavelayutham	_____ Date signed
_____ Koichi Yamada	_____ Date signed
_____ Vadim Sukhomlinov	_____ Date signed
_____ Igor Muttik	_____ Date signed
_____  Oleksandr Bazhaniuk	_____ 10/27/2016 Date signed
_____ Yuriy Bulygin	_____ Date signed
_____ Dmitri Rubakha	_____ Date signed
_____ Jennifer Eligius Mankin	_____ Date signed

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

_____ Palanivelrajan Rajan Shanmugavelayutham	_____ Date signed
_____ Koichi Yamada	_____ Date signed
_____ Vadim Sukhomlinov	_____ Date signed
_____ Igor Muttik	_____ Date signed
_____ Oleksandr Bazhaniuk	_____ Date signed
 _____ Yuriy Bulygin	_____ 06/01/2016 Date signed
_____ Dmitri Dima Rubakha	_____ Date signed
_____ Jennifer Eligius Mankin	_____ Date signed

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Palanivelrajan Rajan Shanmugavelayutham

Date signed

Koichi Yamada

Date signed

Vadim Sukhomlinov

Date signed

Igor Muttik

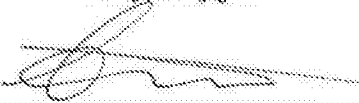
Date signed

Oleksandr Bazhaniuk

Date signed

Yuriy Bulygin

Date signed



Dmitri Rubakha

05/23/2016

Date signed

Jennifer Eligius Mankin

Date signed

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Palanivelrajan Rajan Shanmugavelayutham

Date signed

Koichi Yamada

Date signed

Vadim Sukhomlinov

Date signed

Igor Muttik

Date signed

Oleksandr Bazhaniuk

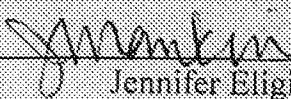
Date signed

Yuriy Bulygin

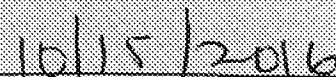
Date signed

Dmitri Rubakha


Date signed



Jennifer Eligius Markin



Date signed



Carl D. Woodward

10/26/16

Date signed

Sevin F. Varoglu

Date signed

Dima Mirkin

Date signed

Alex Nayshtut

Date signed

Carl D. Woodward

Date signed

Sevin FV

Sevin F. Varoglu

9/26/16

Date signed

Dima Mirkin

Date signed

Alex Nayshtut

Date signed


Attorney Docket No.: P87404
(920-0405US)

Carl D. Woodward

Date signed

Seyin F. Varoglu

Date signed



Dima Mirkin

10/10/2016

Date signed

Alex Nayshtut

Date signed

Attorney Docket No.: P87404
(920-0405US)

Carl D. Woodward

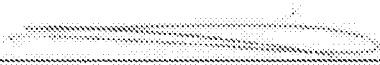
Date signed

Sevin F. Varoglu

Date signed

Dima Mirkia

Date signed



Alex Nayshtut

25 Sep 2016

Date signed