PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5417385

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRANK SCHMIDT	01/28/2019
JAN HENDRIK METZEN	01/28/2019

RECEIVING PARTY DATA

Name:	ROBERT BOSCH GMBH	
Street Address:	POSTFACH 30 02 20	
City:	STUTTGART	
State/Country:	GERMANY	
Postal Code:	70442	

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	62677896
Application Number:	62736858
Application Number:	16173126
Application Number:	16173698

CORRESPONDENCE DATA

Fax Number: (317)638-2139

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: 3176382922

Email:docketing@maginot.comCorrespondent Name:CHARLES B. PHILLIPS

Address Line 1: ONE INDIANA SQUARE, SUITE 2200 Address Line 4: INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER:	2178-2048
NAME OF SUBMITTER:	CHARLES B. PHILLIPS
SIGNATURE:	/Charles B. Phillips/
DATE SIGNED:	03/12/2019

Total Attachments: 5

source=R379104_2178-2048_Assignment_signed_GmbH#page1.tif

PATENT REEL: 048574 FRAME: 0865

505370593

source=R379104_2178-2048_Assignment_signed_GmbH#page2.tif source=R379104_2178-2048_Assignment_signed_GmbH#page3.tif source=R379104_2178-2048_Assignment_signed_GmbH#page4.tif source=R379104_2178-2048_Assignment_signed_GmbH#page5.tif

PATENT REEL: 048574 FRAME: 0866

ASSIGNMENT

Pursuant to our obligation to Robert Bosch GmbH (hereinafter referred to as "Assignee"), a German corporation having a mailing address at:

Postfach 30 02 20 70442 Stuttgart GERMANY

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Frank Schmidt Tasmanweg 14 70439 Stuttgart Germany

Jan Hendrik Metzen Liesel-Bach-Str. 52 71034 Boeblingen Germany

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, except as set forth below, our entire right, title and interest -

(1) in and to the inventions entitled:

"Scaling Provable Adversarial Defenses" for which we have executed a United States provisional patent application, said United States provisional patent application being assigned U.S. Serial No. 62/677,896 filed on May 30, 2018;

"Method, Apparatus and Computer Program for Generating Robust Automated Learning Systems and Testing Trained Automated Learning Systems" for which we have executed a United States provisional patent application, said United States provisional patent application being assigned U.S. Serial No. 62/736,858 filed on September 26, 2018;

"Method, Apparatus and Computer Program for Generating Robust Automated Learning Systems and Testing Trained Automated Learning Systems" for which we have executed a United States patent application, said United States patent application being

assigned U.S. Serial No. 16/173,126 filed on October 29, 2018;

"Method, Apparatus and Computer Program for Generating Robust Automated Learning Systems and Testing Trained Automated Learning Systems" for which we have executed a United States patent application, said United States application being assigned

U.S. Serial No. 16/173,698 filed on October 29, 2018; and

"Method, Apparatus and Computer Program for Generating Robust Automated

Learning Systems and Testing Trained Automated Learning Systems" for which we have

executed a Canadian patent application, said Canadian application being assigned

Reference No. 3,022,728 filed on October 30, 2018;

(2) in and to said patent application, in and to all other patent applications (including

divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), reissue applications,

and international patent applications designating the United States) based upon said invention,

and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the

full end of the term or terms for which said patent or patents may be granted; and

(3) in and to all patent applications on said invention now or hereafter filed in countries

foreign to the United States of America, including patent applications filed under the Patent

Cooperation Treaty, the European Patent Convention or any other international treaty, and

including the right to claim priority of said United States application, and in and to any and all

patents granted on said applications to the full end of the terms for which said patents may be

granted.

Page 2 of 5

PATENT REEL: 048574 FRAME: 0868

MMB Docket Nos. 2178-2048 and 1576-2312

Bosch References: R379104 and R381988

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and

without further consideration to us, execute any and all papers that may be necessary, or deemed

by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and

purposes of this Assignment, it being understood that any expense incident to the execution of

such papers shall be paid by Assignee, its successors and assigns, and not by us.

Date 28/01/2019

Date 28/01/2019

Jan Hendrik Metzen

Page 5 of 5

PATENT REEL: 048574 FRAME: 0871