505327128 02/13/2019

EPAS ID: PAT5373909

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LAURENT BOUE	02/12/2019
MICHAEL KEMELMAKHER	02/12/2019
RAN BITTMANN	02/12/2019

RECEIVING PARTY DATA

Name:	SAP SE
Street Address:	DIETMAR-HOPP-ALLEE 16
City:	WALLDORF
State/Country:	GERMANY
Postal Code:	D-69190

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16274594

CORRESPONDENCE DATA

Fax Number: (612)339-3061

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER/SAP

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	2058.C44US1
NAME OF SUBMITTER:	DAWN R. DRAPER
SIGNATURE:	/Dawn R. Draper/
DATE SIGNED:	02/13/2019

Total Attachments: 3

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PATENT 505327128 REEL: 048319 FRAME: 0393

Attorney Dkt. No. 2058.C44US1 / 180947US01

<u>ASSIGNMENT</u>

For valuable consideration, I, Laurent Boue,

hereby assign to

SAP SE, a corporation of Europe having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany

and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled:

BLIND SPOT IMPLEMENTATION IN NEURAL NETWORKS

which is found in the:

US patent application filed on:

under Application No.

I authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known. This assignment includes the foregoing patent application or patent, as well as continuations and divisionals of said application, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements. Thereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment. Thereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment. I further agree for myself and my heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to me and to testify as to the same in any interference, litigation, or proceeding relating thereto; and I agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Inventor's Signature:

Laurent Boue

2/12/2019

Laurent Boue

PATENT REEL: 048319 FRAME: 0394 Attorney Dkt. No. 2058.C44US1 / 180947US01

ASSIGNMENT

For valuable consideration, I, Michael Kemelmakher,

hereby assign to

SAPSE, a corporation of Europe having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany

and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled:

BUND SPOT IMPLEMENTATION IN NEURAL NETWORKS

which is found in the:

USpatent application filed on:

under Application No.

I authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known. This assignment includes the foregoing patent application or patent, as well as continuations and divisionals of said application, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements. Thereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment. I hereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment. I further agree for myself and my heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to me and to testify as to the same in any interference, litigation, or proceeding relating thereto; and I agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

	DocuSigned by:	
Inventor's Sgnature:	Ar	2/12/2019
	Michael Kemelmakher	

PATENT REEL: 048319 FRAME: 0395 Attorney Dkt. No. 2058.C44US1 / 180947US01

ASSIGNMENT

For valuable consideration, I, Ran Bittmann,

hereby assign to

SAPSE, a corporation of Europe having a place of business at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany

and its successors, and assigns (collectively, the ASSIGNEE) my entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled:

BUND SPOT IMPLEMENTATION IN NEURAL NETWORKS

which is found in the:

USpatent application filed on:

under Application No.

RECORDED: 02/13/2019

I authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known. This assignment includes the foregoing patent application or patent, as well as continuations and divisionals of said application, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements. Thereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment. I hereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment. I further agree for myself and my heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to me and to testify as to the same in any interference, litigation, or proceeding relating thereto; and I agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Inventor's Signature:

| Ran Bittmann | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/12/2019 | 2/

PATENT REEL: 048319 FRAME: 0396