#### 507063704 01/10/2022

### PATENT ASSIGNMENT COVER SHEET

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**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

Name	Execution Date
HOANG-VU NGUYEN	01/07/2022
RAJESH VELLORE ARUMUGAM	01/06/2022
MATTHIAS FRANK	01/06/2022
STEFAN KLAUS BAUR	01/06/2022

#### RECEIVING PARTY DATA

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

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17647477

### **CORRESPONDENCE DATA**

Fax Number: (877)769-7945

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: (214) 747-5070 APSI@fr.com Email:

**Correspondent Name:** FISH & RICHARDSON P.C.

Address Line 1: P.O. BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 22135-1626001 NAME OF SUBMITTER: CANDICE R. ROCKETT **SIGNATURE:** /Candice R. Rockett/ **DATE SIGNED:** 01/10/2022

### **Total Attachments: 4**

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#### **ASSIGNMENT**

For valuable consideration, I, Hoang-Vu Nguyen,

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:

#### EFFICIENT SEARCH FOR COMBINATIONS OF MATCHING ENTITIES GIVEN CONSTRAINTS

which is found in the:

US patent application filed on: January 10, 2022

under Application No. 17/647,477

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. I hereby 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:

Hoang-Vu Nguyen

1/7/2022

#### **ASSIGNMENT**

For valuable consideration, I, Rajesh Vellore Arumugam,

hereby assign to

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Inventor's Signature:	DocuSigned by:  4642FFA10335407	1/6/2022
	Raiesh Vellore Arumugam	

#### **ASSIGNMENT**

For valuable consideration, I, Matthias Frank,

hereby assign to

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	Matthias Frank	
Inventor's Signature:	Wattilias Flank	1/6/2022
	Matthias Frank	_

#### **ASSIGNMENT**

For valuable consideration, I, Stefan Klaus Baur,

hereby assign to

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

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> PATENT REEL: 058589 FRAME: 0908

RECORDED: 01/10/2022