

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BINGJIE MIAO	02/13/2020
RAGHUPATHI KESHAHA MURTHY	02/13/2020
MARCO GRECO	02/14/2020
PRATHIBHA BISARAHALLI PRABHAKAR	02/14/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COUCHBASE, INC.
<b>Street Address:</b>	3250 OLCOTT STREET
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	18206217
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)938-5200
<i>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.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	36388-55820/US
<b>NAME OF SUBMITTER:</b>	CONNIE EVENICH
<b>SIGNATURE:</b>	/CONNIE EVENICH/
<b>DATE SIGNED:</b>	06/06/2023
<b>Total Attachments: 3</b>	
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source=55820 US Assignment (from Parent)(17630253.1)#page2.tif	



## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Couchbase, Inc.**, a Delaware Corporation, having a place of business at **3250 Olcott Street, Santa Clara, CA 95054** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application(s), including those filed under 35 U.S.C. § 111, design applications filed under 35 U.S.C. § 171, Registered Community Designs, international applications filed according to the Patent Cooperation Treaty (PCT), U.S. national phase applications filed under 35 U.S.C. § 371, national or regional applications filed in any other country throughout the world, and any patents issuing thereon ("PATENT RIGHTS"):

- U.S. Application No. **16/788,923**, entitled **COST-BASED OPTIMIZATION FOR DOCUMENT-ORIENTED DATABASE QUERIES ON ARRAYS**, filed on **February 12, 2020**, which claims priority from a provisional/foreign application, filed on August 9, 2019, now bearing Indian Application No. 201941032385.

2. The entire worldwide right, title, and interest in and to:  
(a) the PATENT RIGHTS, including any right of priority; (b) any provisional, divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (c) any patents which may be granted on the applications set forth in (a) and (b) above; and (d) the right to sue in its own name and to recover for past infringement of any or all of any applications or patents issuing therefrom together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

Title:	COST-BASED OPTIMIZATION FOR DOCUMENT-ORIENTED DATABASE QUERIES ON ARRAYS		
Filed:	February 12, 2020	Atty Docket #:	36388-45695/US
Application #:	16/788,923		

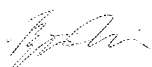
INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature

Date of Signature (REQUIRED)



Feb 13, 2020

**Bingjie Miao**

Name and Signature

Date of Signature (REQUIRED)



Feb 13, 2020

**Raghupathi Keshava Murthy**

Name and Signature

Date of Signature (REQUIRED)



Feb 14, 2020

**Marco Greco**

Title:	COST-BASED OPTIMIZATION FOR DOCUMENT-ORIENTED DATABASE QUERIES ON ARRAYS		
Filed:	February 12, 2020	Atty Docket #:	36388-45695/US
Application #:	16/788,923		

Name and Signature

Date of Signature (REQUIRED)

*Prathibha P.B.*

Feb 14, 2020

**Prathibha Bisarahalli  
Prabhakar**