

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7707609

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAO LIU	12/13/2022
TAO ZHANG	12/13/2022
LEI ZHANG	12/13/2022
PENG WANG	12/13/2022
ZHEFENG LIU	12/13/2022
ZHILING CHEN	12/13/2022
QIUYE WANG	12/13/2022
WEI CHEN	12/13/2022
YINLONG LIU	12/13/2022
CHENXI YU	12/13/2022

RECEIVING PARTY DATA

Name:	NANHU LABORATORY
Street Address:	BUILDING 29, XIANGHU VILLA, QIXING STREET
Internal Address:	NANHU DISTRICT, ZHEJIANG PROVINCE
City:	JIAXING CITY
State/Country:	CHINA
Postal Code:	314000
Name:	BEIJING BIG DATA ADVANCED TECHNOLOGY RESEARCH INSTITUTE
Street Address:	NO. 5, HAIDIAN ROAD
Internal Address:	HAIDIAN DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100871

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18086253

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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

Phone: 202-344-4000
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Correspondent Name: VENABLE LLP
Address Line 1: P.O. BOX 34385
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ATTORNEY DOCKET NUMBER:	151551.571550
NAME OF SUBMITTER:	MACKENZIE KALNITZKY
SIGNATURE:	/Mackenzie Kalnitzky/
DATE SIGNED:	12/21/2022

Total Attachments: 4

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WORLDWIDE ASSIGNMENT

WHEREAS, **Hao LIU, Tao ZHANG, Lei ZHANG, Peng WANG, Zhefeng LIU, Zhiling CHEN, Qiuye WANG, Wei CHEN, Yinlong LIU, and Chenxi YU**, hereinafter referred to as the Assignor, have invented a certain improvement relating to **METHOD FOR INTERCONNECTING DATA LAKE AND RELATIONAL DATABASE**, for which said Assignor has caused an application for United States Letters Patent to be prepared,

this Assignment being executed with said application to be filed in the U.S. Patent and Trademark Office;

said application having been filed in the U.S. Patent and Trademark Office on _____, and given Application No. _____;

said U. S. Provisional Application having been filed in the U.S. Patent and Trademark Office on _____, and given Application No. _____;

said application having been filed under the Patent Cooperation Treaty on _____, and given _____, the United States of America having been designated;

WHEREAS, **Nanhu laboratory**, having a principal place of business located at **Building 29, Xianghu Villa, Qixiang Street, Nanhu District, Jiaxing City, Zhejiang Province, China 314000** and **Beijing Big Data Advanced Technology Research Institute**, having a principal place of business located at **No. 5, Haidian Road, Haidian District, Beijing, China 100871**, hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, any non-provisional application, and any patents which may be granted therefor, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

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The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

EXECUTED this 13th day of December, 2022

ASSIGNOR: **Hao LIU**

Signature: Hao LIU

EXECUTED this 13th day of December, 2022

ASSIGNOR: **Tao ZHANG**

Signature: Tao ZHANG

EXECUTED this 13th day of December, 2022

ASSIGNOR: **Lei ZHANG**

Signature: Lei ZHANG

EXECUTED this 13th day of December, 2022

ASSIGNOR: **Peng WANG**

Signature: Peng WANG

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EXECUTED this 13th day of December, 2022

ASSIGNOR: Zhefeng LIU

Signature: Zhefeng LIU

EXECUTED this 13th day of December, 2022

ASSIGNOR: Zhiling CHEN

Signature: Zhiling CHEN

EXECUTED this 13th day of December, 2022

ASSIGNOR: Qiuye WANG

Signature: Qiuye WANG

EXECUTED this 13th day of December, 2022

ASSIGNOR: Wei CHEN

Signature: Wei CHEN

EXECUTED this 13th day of December, 2022

ASSIGNOR: Yinlong LIU

Signature: Yinlong LIU

WORLDWIDE ASSIGNMENT

EXECUTED this 13th day of December, 2022

ASSIGNOR: **Chenxi YU**

Signature: Chenxi Yu