508098095 09/01/2023

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8145251

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAN DENG	08/04/2023
YU ZHAO	08/04/2023
JIE YAN	08/04/2023
JUNTING LIU	08/04/2023
MULAN WANG	08/04/2023

RECEIVING PARTY DATA

Name:	BEIHANG UNIVERSITY
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City:	BEIJING
State/Country:	CHINA
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Street Address:	NO.68 GUANG'ANMEN SOUTH STREET,XICHENG DISTRICT
City:	BEIJING
State/Country:	CHINA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18241271

CORRESPONDENCE DATA

Fax Number:

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NAME OF SUBMITTER:	GOKALP BAYRAMOGLU
SIGNATURE:	/GOKALP BAYRAMOGLU/

PATENT 508098095 REEL: 064770 FRAME: 0945

DATE SIGNED: 09/01/2023

Total Attachments: 2
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PATENT REEL: 064770 FRAME: 0946

ASSIGNMENT

(1) Pan DENG

(2) Yu ZHAO

- (1-8) Insert Name(s) of Inventor(s)
- (3) Jie YAN

(4) Junting LIU

(5) Mulan WANG

For good and valuable consideration receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to:

- (9) Insert name of a) Beihang University Assignee(s) (a,b,c)
- b) Xicheng District Bureau of Science and Technology and Information Technology of Beijing Municipality

- (10) Insert state incorporation Assignee(s) (a,b,c)
- a) China

China

b) China

- (11) Insert address Assignee(s) (a,b,c)
- of a) No.37 Xueyuan Haidian District.
 - Road, b) No.68 Guang'anmen South Street, Beijing, Xicheng District, Beijing, China

(hereinafter designated as the Assignee) the entire right, title, interest, and patent applications and patents within the United States, including divisions, reissues, continuations and all other extensions, rights and priorities in the invention known as and subject matter contained in

- (12)Insert Identification of Invention, such as Title, Case Number or Foreign Application Number
- URBAN DATA PREDICTION METHOD BASED ON (12)GENERATIVE CAUSAL INTERPRETATION MODEL
- (13)of Application
- Insert Date of Filing (13) Application is attached hereto.

and each assignee owning equal share as tenancy in common.

- The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or division applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

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- 5) The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.
 - 6) The undersigned hereby grant(s)

Gokalp Bayramoglu, Reg.No. 66305

the power to insert on this assignment any further identification which may be necessary ar desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

DATE BUY 4. 2013	Pan DENG
Date Aug. 4. 2023	Yu ZHAO
Dine Aug. 4. 223	<u>词</u> 沾 Jie YAN
Daile Aug. 4. 2023	入仮廷 Junting LIU
Date Aug. 4.2022	/x基/很 Mulan WANG