PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHENHUA HOU	02/18/2020
WENDONG DING	02/18/2020
HANG GAO	02/18/2020
GUOWEI WAN	02/18/2020
SHIYU SONG	02/21/2020

RECEIVING PARTY DATA

Name:	BEIJING BAIDU NETCOM SCIENCE AND TECHNOLOGY CO., LTD.	
Street Address:	Street Address: 2/F BAIDU CAMPUS, NO.10, SHANGDI 10TH STREET	
City:	HAIDIAN DISTRICT, BEIJING	
State/Country:	CHINA	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16806445

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	141196.403
NAME OF SUBMITTER:	JIANPING ZHANG
SIGNATURE:	/Jianping Zhang/
DATE SIGNED:	06/24/2022

Total Attachments: 6

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PATENT 507354389 REEL: 060311 FRAME: 0677

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> PATENT REEL: 060311 FRAME: 0678

ASSIGNMENT

WHEREAS, we, Shenhua HOU, Wendong DING, Hang GAO, Guowei WAN and Shiyu SONG (hereinafter referred to as ASSIGNORS), having mailing addresses 2/F Baidu Campus, No. 10, Shangdi 10th Street Haidian District, Beijing, China, are the joint inventors of an invention entitled "METHOD, APPARATUS, DEVICE AND MEDIUM FOR DETECTING ENVIRONMENTAL CHANGE," as described and claimed in the specification forming part of an application for United States letters patent executed herewith;

WHEREAS, Beijing Baidu Netcom Science and Technology Co., Ltd. (hereinafter referred to as ASSIGNEE), a place of business at 2/F Baidu Campus, No. 10, Shangdi 10th Street Haidian District, Beijing, China, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, and including the right to sue and collect damages for past and present infringement of said letters patent; said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

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PATENT REEL: 060311 FRAME: 0679

Application No.	16/806445

02.18.2020	Shenkun Hou	
Date	Shenhua HOU	

I certify that I know or have satisfactory evidence that Shenhua HOU signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date _	02.18 2020	Signed at	Beijing, China
			(City, State or Country)
	Yao ZHOU		Yao Zhou
	(Name of Witness)		(Signature of Witness)

Application No.	16/806445
Application 140.	

02.18 2020	Wenday Ping
Date	Wendong DING

I certify that I know or have satisfactory evidence that Wendong DING signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date _	02.18 2020	Signed at	Beijing, China
		-	(City, State or Country)
	Yao ZHOU	Yao	Zhou
	(Name of Witness)		(Signature of Witness)

Application No.	16/806445

2020-02-18	Hang Gno	
Date	Hang GÃO	

I certify that I know or have satisfactory evidence that Hang GAO signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date	02.18 2020	Signed a	atBeijing, China
			(City, State or Country)
	Yao ZHOU		Yao Zhou
	(Name of Witness)		(Signature of Witness)

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02.18.2020	Guoviei Wan	
Date	Guowei WAN	

I certify that I know or have satisfactory evidence that Guowei WAN signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date _	02.18 2020	Signed at	Beijmy, China	
		-	(City, State or Country)	
	Yao ZHOU		Yao Zhou	
	(Name of Witness)	_	(Signature of Witness)	

Application No	16/806445

(Signature of Witness)

02/21/2020	846
Date	Shiyu SONG
	now or have satisfactory evidence that Shiyu SONG signed this will, as a voluntary act for the uses and purposes mentioned in the
Date 02.18 2020	Signed at Beijng, China
Yao ZHOU	(City, State or Country)

Yao ZHOU (Name of Witness)

RECORDED: 06/24/2022