

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT6281356

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALIBABA GROUP HOLDING LIMITED	08/26/2020
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<b>Name:</b>	ADVANTAGEOUS NEW TECHNOLOGIES CO., LTD.
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<b>City:</b>	GEORGE TOWN
<b>State/Country:</b>	CAYMAN ISLANDS
<b>Postal Code:</b>	KY1-9008
<b>PROPERTY NUMBERS Total: 11</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16918888
Application Number:	16918869
Application Number:	16893255
Application Number:	16870746
Application Number:	16917635
Application Number:	16879316
Application Number:	16905354
Application Number:	16883184
Application Number:	16882084
Application Number:	16878482
Application Number:	16938810
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<b>ATTORNEY DOCKET NUMBER:</b>	111281.001
<b>NAME OF SUBMITTER:</b>	JIANPING ZHANG
<b>SIGNATURE:</b>	/Jianping Zhang/
<b>DATE SIGNED:</b>	09/02/2020
<b>Total Attachments: 2</b> source=Patent+Assignment+Agreement-Seed-11&#20214;#page1.tif source=Patent+Assignment+Agreement-Seed-11&#20214;#page2.tif	

**Patent Assignment**

This Patent Assignment (this "Assignment") with an effective date of August 24, 2020 (the "Effective Date") by Alibaba Group Holding Limited, a company duly authorized under the laws of Cayman Islands and having an address at Fourth Floor, One Capital Place, P.O. Box 847, George Town, Grand Cayman, Cayman Islands (hereinafter the "Assignor") witnesseth:

WHEREAS, Assignor is the owner of certain rights, title and interest in and to the patents and patent applications set forth on Schedule A hereto (hereinafter the "Patents and Applications");

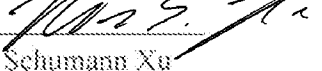
WHEREAS, Advantageous New Technologies Co., Ltd., a company duly organized under and pursuant to the laws of Cayman Islands and having an address at Cayman Corporate Centre, 27 Hospital Road, George Town, Grand Cayman KY1-9008, Cayman Islands (hereinafter the "Assignee"), is desirous of acquiring Assignor's entire right, title and interest in and to said Patents and Applications, and in and to any Letters Patent or Patents to be obtained therefor and thereon;

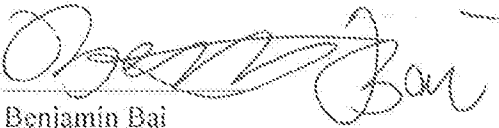
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor has as of the Effective Date sold, assigned, transferred and conveyed, and does hereby sell, assign, transfer and convey, unto Assignee, all of Assignor's rights, titles and interests in and to the Patents and Applications, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made. Assignor does hereby sell, assign, transfer, and convey to Assignee, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to Assignee, or may accrue hereafter including, but not limited to, the right to sue for, collect, and retain damages for past, present and future infringement of the said Patents and Applications before or after issuance.

IN TESTIMONY WHEREOF, this Assignment is signed by the following duly authorized signatories of the Assignor and Assignee respectively, on this 26th day of August, 2020.

Assignor  
Alibaba Group Holding Limited

Assignee  
Advantageous New Technologies Co., Ltd.

Signature:   
Name: Min Schumann Xu  
Title: Chief Patent & Technology Counsel

Signature:   
Name: J Benjamin Bai  
Title: Director

### Schedule A to Patent Assignment

Patent Number	Country / Region	App. #. No.	App. #. Date	Patent Title
PCT14184US	US	16/918,888	2020/7/1	VEHICLE DAMAGE ASSESSMENT METHOD, APPARATUS, AND DEVICE
PCT14161US	US	16/918,869	2020/7/1	MULTI-CLASSIFIER-BASED RECOMMENDATION METHOD AND DEVICE, AND ELECTRONIC DEVICE
PCT14139US	US	16/893,255	2020/6/4	PAYMENT METHOD, APPARATUS, AND DEVICE
PCT14128US	US	16/870,746	2020/5/8	PAYMENT PROCESS CONFIGURATION AND EXECUTION METHOD, APPARATUS AND DEVICE
PCT13973US	US	16/917,635	2020/6/30	FRAUD GANG IDENTIFICATION METHOD AND DEVICE
PCT13943US	US	16/879,316	2020/5/20	METHODS, APPARATUSES, AND DEVICES FOR GENERATING WORD VECTORS
PCT13934US	US	16/905,354	2020/6/18	VOICEPRINT RECOGNITION METHOD AND DEVICE BASED ON MEMORY BOTTLENECK FEATURE
PCT13930US	US	16/883,184	2020/5/26	METHODS, APPARATUSES, AND DEVICES FOR GENERATING WORD VECTORS
PCT13909US	US	16/882,084	2020/5/22	GRAPH STRUCTURE MODEL TRAINING AND JUNK ACCOUNT IDENTIFICATION
PCT13594US	US	16/878,482	2020/5/19	SAMPLE SET PROCESSING METHOD AND APPARATUS, AND SAMPLE QUERYING METHOD AND APPARATUS
PCT17171US	US	16/938,810	2020/7/24	BLOCKCHAIN LEDGER-BASED EVIDENCE ACQUISITION METHOD AND SYSTEM