

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6461106

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	10/20/2020
CONVEYING PARTY DATA	
Name	Execution Date
ZIJING HUANG	11/23/2020
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17075064
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DATE SIGNED:	12/21/2020
Total Attachments: 3	
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NUNC PRO TUNC ASSIGNMENT OF PATENT APPLICATION

Whereas Zijing Huang (hereinafter "INVENTOR"), invented certain new and useful improvements as set forth in the patent application entitled:

METHOD FOR WALL LINE DETERMINATION, METHOD, APPARATUS, AND DEVICE FOR SPATIAL MODELING

which bears U.S. application serial No. **17/075,064**, filed **October 20, 2020**.

Whereas Zijing Huang has executed an agreement granting Assignee a Power of Attorney to execute documents on his behalf, and the Assignees' Representative is authorized to act in behalf of Assignee, and for good and valuable consideration, the receipt and sufficiency of which was acknowledged, the inventor, hereby:

(a) Sells, assigns and transfers, at least as early as the above filing date, to Alibaba Group Holding Limited having a place of business at Fourth Floor, One Capital Place, Grand Cayman, Cayman Islands (hereinafter "ASSIGNEE"), (1) the entire right, title and interest, and any and all revenues and rights to revenue, for any purpose, associated with commercialization, everywhere in the world, to (A) any and all inventions described in said Application, (B) said Application, (C) any patent that may be granted thereof, (D) any patent applications or patents which may claim priority of (or serve as the basis for a priority claim by) said Application (including but not limited to continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, together with all priority rights and counterpart applications under any existing or future international patent conventions, agreements or treaties), and (2) the right to sue third parties for patent infringement (including but not limited to damages) accruing based on activities occurring prior to the execution date hereof.

(b) Authorizes and requests the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.

(c) Agrees to execute all papers and documents and, entirely at the ASSIGNEE's expense, and to communicate to the ASSIGNEE any facts known to us respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

(d) Agrees that the terms, covenants and conditions of this assignment have inured to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the INVENTOR, as well as the INVENTOR's heirs, legal representatives and assigns.

(e) Authorizes and requests my attorney/agent to insert above the application number in order to assist with recordal of this assignment or any other information necessary to perfect this assignment.

IN TESTIMONY WHEREOF, I **Roger Shang** have executed this document on the date indicated below.

Roger Shang

11/23/2020

Signature of Officer
as Assignee's Representative for the Inventor

Date

Hangzhou, China
Inventor's City, State of residence