

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6052838

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIN LONG	04/02/2020
JUN ZHANG	04/02/2020
YONGKE ZHAO	04/02/2020
RECEIVING PARTY DATA	
Name:	ALIBABA GROUP HOLDING LIMITED
Street Address:	FOURTH FLOOR, ONE CAPITAL PLACE
Internal Address:	PO BOX 847
City:	GRAND CAYMAN
State/Country:	CAYMAN ISLANDS
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16843676
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NAME OF SUBMITTER:	AMANDA SASSER
SIGNATURE:	/Amanda Sasser/
DATE SIGNED:	04/08/2020
Total Attachments: 3	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number
Filing Date
Inventorship Long et al.
Assignee Alibaba Group Holding Limited
Attorney's Docket No. AB1-0876US
Client Docket No. PCT12990US
Title: FPGA DEVICE AND CLOUD SYSTEM BASED ON FPGA DEVICE

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

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Assignee:

Alibaba Group Holding Limited
Fourth Floor, One Capital Place
P.O. Box 847
Grand Cayman
Cayman Islands

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
"FPGA DEVICE AND CLOUD SYSTEM BASED ON FPGA DEVICE" for which:

☐ a provisional application for United States Letters Patent was filed on and
was given U.S. Serial No. and/or

☒ a foreign priority Chinese patent application was filed on 09 October 2017 and was given CN Patent Application Serial No. 201710929351.4 and/or

☒ a PCT international application for was filed on 29 September 2018 and was given PCT Serial No. PCT/CN2018/108514 and/or

☒ a non-provisional application for United States Letters Patent was:

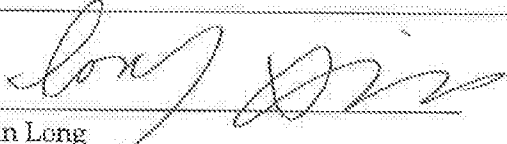
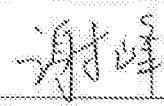
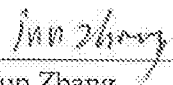
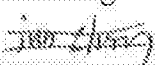
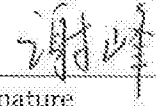

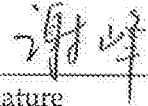
☒ filed on 08 April 2020 and was given U.S. Serial No. 16/843,676

or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, P.C., 601 W Riverside Ave, Suite 1400, Spokane, Washington 99201, who are associated with customer number 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, Alibaba Group Holding Limited (hereinafter referred to as ASSIGNEE), a corporation of Cayman Islands having a place of business at Fourth Floor, One Capital Place, P.O. Box 847, Grand Cayman, Cayman Islands, 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 therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto 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 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, 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 ASSIGNOR(S)

had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) 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 therefore.

 Xin Long 4/2/2020 Date (mm/dd/yyyy)	 Witness Signature XIE, FENG Name (printed) 4/2/2020 Date (mm/dd/yyyy)
 Jun Zhang  4/2/2020 Date (mm/dd/yyyy)	 Witness Signature XIE, FENG Name (printed) 4/2/2020 Date (mm/dd/yyyy)
 Yongke Zhao 4/2/2020 Date (mm/dd/yyyy)	 Witness Signature XIE, FENG Name (printed) 4/2/2020 Date (mm/dd/yyyy)