## 505192354 11/15/2018

# **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5239123

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
JIE ZHANG	10/10/2018	
CHEN ZHANG	10/10/2018	
LE HE	10/10/2018	
YINGJIE SHI	10/10/2018	
YAN HUANG	10/10/2018	

#### **RECEIVING PARTY DATA**

Name:	ALIBABA GROUP HOLDING LIMITED	
Street Address:	FOURTH FLOOR, ONE CAPITAL PLACE, P.O. BOX 847	
City:	GEORGETOWN GRAND CAYMAN	
State/Country:	CAYMAN ISLANDS	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	16085510		

### **CORRESPONDENCE DATA**

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	BABA-PCT7728US
NAME OF SUBMITTER:	JAMES P. HAO
SIGNATURE:	/James P. Hao/
DATE SIGNED:	11/15/2018

**Total Attachments: 1** 

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PATENT 505192354 REEL: 047514 FRAME: 0188

Attorney Docket No.:	BABA-PCT7728US
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## Assignment to Alibaba Group Holding Limited

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Jie ZHANG, Chen ZHANG, Le HE, Yingjie SHI, Yan HUANG do hereby sell, assign, and transfer unto Alibaba Group Holding Limited a Corporation having its principle place of business at Fourth Floor, One Capital Place, P.O. Box 847, Georgetown Grand

Cayman, Cayman Islands and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

#### GARBAGE COLLECTION METHOD AND DEVICE

thereto which may be granted thereon or therefor;

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X		16/085,510		9/14/2018	and the second second second	e inventions set	forth
	United States	and of countri	es foreign	thereto which i	nay be granted the	ereon or therefor	; or
	the						
	filed herewit	h and the invei	itions set te	orth and descri	bed therein, and a	my and all Lette.	rs Patent of

And for the above consideration, I/we agree promptly upon request of Alibaba Group Holding Limited its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Alibaba Group Holding Limited, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Alibaba Group Holding Limited.

I/we further covenant with Alibaba Group Holding Limited its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

in witness whereof, I/we hereunto set my/our hand(s) and seal; Date: (○ / ○ / Ø Inventor's Signature: Date: /0.10.18

Date: /0.10.18

Date: /0.10.18 inventor's Signature: Chen ZHANG Inventor's Signature: Inventor's Signature: Yingjie SHI Yan Harry Dete: 10/10/2018 Inventor's Signature; Yan HUANG

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