

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5101779

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	KIVA SYSTEMS LLC	09/06/2012
RECEIVING PARTY DATA		
Name:	AMAZON TECHNOLOGIES, INC.	
Street Address:	P.O. BOX 8102	
City:	RENO	
State/Country:	NEVADA	
Postal Code:	89507	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16107365
CORRESPONDENCE DATA		
Fax Number:	(214)661-4688	
<i>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.</i>		
Phone:	214.953.6500	
Email:	ptomail1@bakerbotts.com	
Correspondent Name:	BAKER BOTTS L.L.P./AMAZON TECHNOLOGIES,	
Address Line 1:	2001 ROSS AVENUE	
Address Line 2:	SUITE 900	
Address Line 4:	DALLAS, TEXAS 75201-2980	
ATTORNEY DOCKET NUMBER:	080663.0354	
NAME OF SUBMITTER:	CHRISTI PINGLETON	
SIGNATURE:	/Christi Pingleton/	
DATE SIGNED:	08/21/2018	
Total Attachments: 8		
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PATENT ASSIGNMENT

1

PATENT ASSIGNMENT

WHEREAS, Kiva Systems LLC ("Assignor"), a Delaware corporation, having an address of 300 Riverpark Drive, North Reading, Massachusetts 01864, is the owner of the U.S. and foreign patents and patent applications listed on Exhibit A hereto and the inventions described and claimed therein (collectively, the "Patent Properties"); and

WHEREAS, Amazon Technologies, Inc. (hereafter "Assignee"), a Nevada Corporation, having a place of business at P.O. Box 8102, Reno, Nevada 89507, desires to acquire all right, title and interest in and to the Patent Properties.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and according to an agreement between Assignor and Assignee, Assignor agrees to and does hereby sell, assign, transfer and set over to Assignee, all its right, title and interest in and to the Patent Properties, as well as all provisionals, continuations, divisions, and continuations-in-part of said Patent Properties, and all reissues and extensions thereof, the same to be held and enjoyed by Assignee for its own use and benefit, and for the use and benefit of its successors, assigns, or legal representatives, to the end of the term or terms for which such Patent Properties may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by Assignor if the assignment and sale had not been made.

Assignor also assigns to Assignee, all right, title and interest in and to the inventions disclosed in said Patent Properties throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said Patent Properties in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said Patent Properties in appropriate registries; and Assignor further agrees to execute any and all powers of

PATENT

REEL: 046894 FRAME: 0414

PATENT ASSIGNMENT

2

attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

Assignor further assigns to Assignee all causes of action, rights, and remedies arising from any such Patent Properties prior to or after the Effective Date of this Patent Assignment.

Assignor, at the expense of Assignee, will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said Patent Properties in all countries.

In furtherance of this Patent Assignment, Assignor hereby acknowledges that, from the Effective Date forward, Assignee has succeeded to all of Assignor's right, title, and standing to receive all rights and benefits pertaining to the Patent Properties, institute and prosecute all suits and proceedings, and take all actions that Assignee, in its sole discretion, may deem necessary or proper to collect, assert, or enforce any claim, right, or title of any kind under any and all of the Patent Properties, whether arising before or after the Effective Date, defend and compromise any and all such actions, suits, or proceedings relating to such transferred and assigned rights, title, interest, and benefits, and do all other such acts and things in relation thereto as Assignee, in its sole discretion, deems advisable.

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PATENT

REEL: 046894 FRAME: 0415

PATENT ASSIGNMENT

3

IN WITNESS WHEREOF, Assignor and Assignee have caused this Patent

Assignment to be executed, effective as of Sept. 6, 2012.

KIVA SYSTEMS LLC

By: [Signature]
Michael Deal
Its: Vice President and Secretary

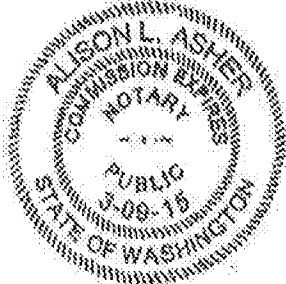
STATE OF WASHINGTON)

COUNTY OF KING) ss.

On this 6 day of Sept, 2012, before me, Alison L. Asher a Notary Public in and for the State of Washington, duly commissioned and sworn, appeared Michael D. Deal, to me known to be the individual who executed the within and foregoing instrument, and acknowledged that he signed the same as his voluntary act and deed, for the uses and purposes therein mentioned.

I hereby certify that Michael D. Deal in my presence approved and signed this document and has proven to me on the basis of satisfactory evidence, that he had full authority to execute documents on behalf of Kiva Systems LLC without any countersignature by any other individual.

GIVEN under my hand and official seal hereto affixed the day and year in this certificate first above written.



[Signature]
Alison L. Asher
Notary Public in and for the State of Washington,
residing at: [Signature]
My Commission Expires: 3-09-15

AMAZON TECHNOLOGIES, INC.

By: [Signature]
Robyn Heas
Its: Assistant Secretary

PATENT

REEL: 046894 FRAME: 0416

EXHIBIT A**U.S. Pending Patent Applications**

<u>Application No.</u>	<u>Filed Date</u>	<u>Title</u>
11/183,467	07/19/2005	Method and System for Storing Inventory Holders
11/425,057	06/19/2006	System and Method for Generating a Path for a Mobile Drive Unit
11/425,076	06/16/2006	System and Method for Maneuvering a Mobile Drive Unit
11/620,464	01/05/2007	System and Method for Filling an Order
12/413,074	03/27/2009	Method and System for Fulfilling Requests in an Inventory System
12/609,690	10/30/2009	System and Method for Unloading Items
12/766,492	04/23/2010	System and Method for Processing Waste Material
12/890,197	09/24/2010	Method and System for Transporting Inventory Items
12/943,488	11/10/2010	Method and System for Transporting Inventory Items
13/016,130	01/28/2011	Method and System for Transporting Inventory Items
13/021,860	02/07/2011	System and Method for Coordinating Movement of Mobile Drive Units
13/216,394	08/24/2011	System and Method for Configuring Workstations
13/276,990	10/19/2011	System and Method for Inventory Management Using Mobile Drive Units
13/343,458	01/24/2012	System and Method for Order Fulfillment
13/356,094	01/23/2012	System and Method for Positioning a Mobile Drive Unit
13/470,591	05/14/2012	System and Method for Maneuvering a Mobile Drive Unit
13/553,024	07/19/2012	Method and System for Transporting Inventory Items

U.S. Granted Patent

<u>Patent No.</u>	<u>Issue Date</u>	<u>Title</u>
6,748,292	06/08/2004	Material Handling Method Using Autonomous Mobile Drive Units and Moveable Inventory Trays
6,895,301	05/17/2005	Material Handling System and Method Using Autonomous Mobile Drive Units and Movable Inventory Trays
6,950,722	9/27/2005	Material Handling System and Method Using Mobile Autonomous Inventory Trays and Peer-To-Peer Communications
7,402,018	07/22/2008	Inventory System with Mobile Drive Units and Inventory Holder
7,826,919	11/02/2010	Method and System for Transporting Inventory Items
7,850,413	11/23/2010	System and Method for Transporting Inventory Items
7,873,469	01/18/2011	System and Method for Managing Mobile Drive Units

Patent No.	Issuance Date	Title
7,894,932	02/22/2011	Method and System for Replenishing Inventory Items
7,894,933	02/22/2011	Method and System for Retrieving Inventory Items
7,912,574	03/22/2011	System and Method for Transporting Inventory Items
7,920,962	04/05/2011	System and Method for Coordinating Movement of Mobile Drive Units
8,068,978	11/29/2011	System and Method for Managing Mobile Drive Units
8,170,711	05/01/2012	Method and System for Transporting Inventory Items
8,220,710	07/17/2012	System and Method for Positioning a Mobile Drive Unit
8,239,291	08/07/2012	System and Method for Communicating Status Information of Inventory-Related Tasks Using a Status Indicator
8,265,873	09/11/2012	System and Method for Managing Mobile Drive Units

Foreign Pending Applications

Country	Application No.	Filing Date	Title
EPC	06787457.8	07/14/2008	Method and System for Storing Inventory Holders
Canada	2613180	07/14/2006	Method and System for Storing Inventory Holders
Japan	2008522852	07/14/2006	Method and System for Storing Inventory Holders
Japan	200870509	07/14/2006	Method and System for Storing Inventory Holders
Japan	200870510	07/14/2006	Method and System for Storing Inventory Holders
EPC	07795621.7	06/01/2007	System and Method for Managing Mobile Drive Units
Canada	2654258	06/01/2007	System and Method for Managing Mobile Drive Units
Canada	2654295	06/08/2007	System and Method for Coordinating Movement of Mobile Drive Units
Japan	2009516630	06/08/2007	System and Method for Coordinating Movement of Mobile Drive Units
Japan	2009516503	06/06/2007	System and Method for Positioning a Mobile Drive Unit
EPC	07812047.4	06/07/2007	System and Method for Generating a Path for a Mobile Drive Unit
Japan	2009516628	06/07/2007	System and Method for Generating a Path for a Mobile Drive Unit
EPC	07865270.8	12/06/2007	System and Method for Communicating Status Information
EPC	07855064.7	12/11/2007	System and Method for Filling an Order
Japan	2009544868	12/11/2007	System and Method for Filing and Order

PATENT ASSIGNMENT

6

Country	Application No.	Filing Date	Title
Canada		11/24/2010	System and Method for Processing Waste Material
Japan		11/24/2010	System and Method for Processing Waste Material
China (People's Republic)		11/24/2010	System and Method for Processing Waste Material
Canada		06/08/2007	System and Method for Coordinating Movement of Mobile Drive Units
Japan	2012163397	06/08/2007	System and Method for Coordinating Movement of Mobile Drive Units
EPC	11005390.7	06/08/2007	System and Method for Transporting Inventory Items
Canada	2754626	02/23/2010	Method and System for Fulfilling Requests in an Inventory System
EPC	10796197.1	11/24/2010	System and Method for Processing Waste Material
EPC	05800909.3	09/22/2005	Inventory System with Mobile Drive Unit and Inventory Holder
Japan	2007536706	09/22/2005	Inventory System with Mobile Drive Unit and Inventory Holder
EPC	10709109.2	02/23/2010	Method and System for Fulfilling Requests in an Inventory System
Japan	2012502063	02/23/2012	Method and System for Fulfilling Requests in an Inventory System
EPC	10195643.1	07/14/2006	Method and System for Storing Inventory Holders
EPC	10195644.9	07/14/2006	Method and System for Storing Inventory Holders
Canada	2750043	05/09/2007	Method and System for Transporting Inventory Items
Japan	2009514267	05/09/2007	Method and System for Transporting Inventory Items
EPC	07777352.1	06/01/2007	System and Method for Maneuvering a Mobile Drive Unit
EPC	07776955.2	05/09/2007	Method and System for Transporting Inventory Items
Canada	2748398	05/09/2007	Method and System for Transporting Inventory Items
Canada	2748407	05/09/2007	Method and System for Transporting Inventory Items
Canada	2654336	06/01/2007	System and Method for Maneuvering a Mobile Drive Unit
Japan	2009516493	06/01/2007	System and Method for Maneuvering a Mobile Drive Unit

PATENT

REEL: 046894 FRAME: 0419

PATENT ASSIGNMENT

7

Country	Application No.	Issuing Date	Title
Canada	2654471	06/08/2007	System and Method for Transporting Inventory Items
Japan	2009516631	06/08/2007	System and Method for Transporting Inventory Items
Japan	2009516494	06/01/2007	System and Method for Managing a Mobile Drive Unit
Canada	2654260	06/07/2007	System and Method for Generating a Path for a Mobile Drive Unit
EPC	07777430.5	06/06/2007	System and Method for Positioning a Mobile Drive Unit
Canada	2654263	06/06/2007	System and Method for Positioning a Mobile Drive Unit
EPC	07855066.2	12/11/2007	System and Method for Transporting Inventory Items
Canada	2671955	12/11/2007	System and Method for Transporting Inventory Items
Japan	2009544869	12/11/2007	System and Method for Transporting Inventory Items
Canada	2674241	12/11/2007	System and Method for Filling an Order
Canada	2673025	12/06/2007	System and Method for Communicating Status Information
Japan	2009544865	12/06/2007	System and Method for Communicating Status Information
EPC	10771562.5	10/05/2010	System and Method for Unloading Items
Canada	2778111	10/05/2010	System and Method for Unloading Items
Japan		10/05/2010	System and Method for Unloading Items
Canada		06/08/2007	System and Method for Transporting Inventory Items
Japan	201243100	06/08/2007	System and Method for Transporting Inventory Items

Foreign Granted Patents

Country	Patent No.	Issue Date	Title
Canada	2514523	05/31/2011	Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays
Austria	1590272	08/18/2010	Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays
Switzerland	1590272	08/18/2010	Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays
Germany	602004028701.6	08/18/2010	Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays

PATENT

REEL: 046894 FRAME: 0420

PATENT ASSIGNMENT

8

Country	Patent No.	Issue Date	Title
Spain	1590272	08/18/2010	<i>Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays</i>
France	1590272	08/18/2010	<i>Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays</i>
United Kingdom	1590272	08/18/2010	<i>Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays</i>
Italy	1590272	08/18/2010	<i>Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays</i>
Netherlands	1590272	08/18/2010	<i>Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays</i>
Turkey	TR201008950T4	08/18/2010	<i>Material Handling System and Method Using Autonomous Mobile Drive Units and Mobile Inventory Trays</i>
Germany	602007017836.3	10/12/2011	<i>System and Method for Transporting Inventory Items</i>
France	2044495	10/12/2011	<i>System and Method for Transporting Inventory Items</i>
United Kingdom	2044495	10/12/2011	<i>System and Method for Transporting Inventory Items</i>
Germany	6020070178355	10/12/2011	<i>System and Method for Transporting Inventory Items</i>
France	2044494	10/12/2011	<i>System and Method for Coordinating Movement of Mobile Drive Units</i>
United Kingdom	2044494	10/12/2011	<i>System and Method for Coordinating Movement of Mobile Drive Units</i>
Japan	4617293	10/29/2010	<i>Material Handling System and Method Using Autonomous Mobile Drive Units and Movable Inventory Trays</i>
Mexico	253146	01/08/2008	<i>Material Handling System and Method Using Autonomous Mobile Drive Units and Movable Inventory Trays</i>
Canada	2577346	05/24/2011	<i>Inventory System with Mobile Drive Unit and Inventory Holder</i>
Canada	2652114	10/18/2011	<i>Method and System for Transporting Inventory Items</i>

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REEL: 046894 FRAME: 0421