

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6992921

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST AT REEL/FRAME NO. 054048/0646
CONVEYING PARTY DATA	
Name	Execution Date
JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT	10/14/2021
RECEIVING PARTY DATA	
Name:	TRAX TECHNOLOGY SOLUTIONS PTE. LTD
Street Address:	65 CHULIA STREET, #19-01
City:	OCBC CENTRE
State/Country:	SINGAPORE
Postal Code:	049513
Name:	SHOPKICK, INC.
Street Address:	273 S. RAILROAD AVE.
City:	SAN MATEO
State/Country:	CALIFORNIA
Postal Code:	94401
Name:	CVDM SOLUTIONS SAS
Street Address:	38 RUE BREGUET
City:	PARIS
State/Country:	FRANCE
Postal Code:	75011
Name:	TRAX RETAIL, INC.
Street Address:	ONE SUGARLOAF CENTRE
Internal Address:	1960 SATELLITE BOULEVARD, SUITE 4100
City:	DULUTH
State/Country:	GEORGIA
Postal Code:	30097
PROPERTY NUMBERS Total: 45	
Property Type	Number
Patent Number:	10368662
Patent Number:	10387996
Patent Number:	10402777
Patent Number:	10122915
PATENT	

Property Type	Number
Patent Number:	10643060
Patent Number:	10521646
Patent Number:	10671834
Patent Number:	10546182
Patent Number:	10558843
Patent Number:	10628660
Patent Number:	10452924
Patent Number:	10643059
Patent Number:	10521645
Patent Number:	10425767
Patent Number:	10360592
Patent Number:	9886696
Patent Number:	10304069
Patent Number:	8489112
Patent Number:	10255614
Patent Number:	9159066
Patent Number:	9595043
Patent Number:	9990645
Patent Number:	9264151
Patent Number:	9697539
Patent Number:	9141886
Application Number:	16310157
Application Number:	16244907
Application Number:	16354717
Application Number:	16714861
Application Number:	16739920
Application Number:	16578595
Application Number:	16354186
Application Number:	16569635
Application Number:	16569645
Application Number:	16569655
Application Number:	14172854
Application Number:	16518904
Application Number:	15942062
Application Number:	16376927
Application Number:	62872751
Application Number:	62876685
Application Number:	62879565

Property Type	Number
Application Number:	62958506
Application Number:	62993298
Application Number:	63033055

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	069711-0002
NAME OF SUBMITTER:	KRISTIN J AZCONA
SIGNATURE:	/KJA/
DATE SIGNED:	10/27/2021

Total Attachments: 7
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RELEASE OF PATENT SECURITY INTEREST dated as of October 14, 2021 (this "Release"), by JPMORGAN CHASE BANK, N.A., as Administrative Agent. Capitalized terms used herein and not otherwise defined shall have the meanings assigned to such terms in the Credit Agreement or the U.S. Collateral Agreement, as applicable, referred to below.

A. Reference is made to (a) the Credit Agreement dated as of July 14, 2020 (as amended or otherwise modified from time to time, the "Credit Agreement"), among the Company, the Borrowers party thereto, the Lenders party thereto and the Administrative Agent, (b) the U.S. Collateral Agreement referred to therein, among the Company, the other Grantors from time to time party thereto and the Administrative Agent and (c) the Patent and Trademark Security Agreement dated as of October 13, 2020, which was recorded with the United States Patent and Trademark Office at Reel 054048 Frame 0646 for patents (the "Patent and Trademark Security Agreement", and, collectively with the U.S. Collateral Agreement, the "Security Agreements"), each Security Agreement being among the Company, other Grantors from time to time party thereto and the Administrative Agent.

B. Pursuant to the Security Agreements, the Grantors granted a security interest to the Administrative Agent, for the benefit of the Secured Parties, in, among other things, the patents of the Grantors set forth on Schedule I hereto (the "Patents").

C. In connection with the payment and discharge of all Loan Document Obligations of the Borrowers and the other Loan Parties and the termination of all Commitments under the Credit Agreement, the Grantors have informed the Administrative Agent of their desire that the Administrative Agent, on behalf of the Secured Parties, release all right, title and interest granted to it, for the ratable benefit of the Secured Parties, under the Security Agreements in and to the Patents.

Accordingly, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Administrative Agent hereby terminates, releases and discharges any and all security interests it has in the Patents and reassigns all right, title and interest it has in the Patents, together with the goodwill associated therewith, to the applicable Grantor. The execution and delivery of this Release and the performance of any actions by the Administrative Agent are made without representation or warranty by, or recourse to, the Administrative Agent or any other Secured Party.

THIS RELEASE SHALL BE CONSTRUED IN ACCORDANCE WITH
AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK.

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IN WITNESS WHEREOF, the Administrative Agent has caused this Release to be duly executed as of the day and year first written above.

JPMORGAN CHASE BANK N.A., as
Administrative Agent,

By: _____

Authorized Signatory

Matthew Cheung
Vice President

[Trax Ltd – IP Release (Patents) Signature Page]

SCHEDULE I
Patents Owned by the Grantors

I. United States Patents

Grantor	Country	Title	Application Number	Application Filing Date	Registration Number	Grant Date
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	SYSTEM AND METHOD OF MONITORING RETAIL UNITS	14/888,978	04-11-2015	10,368,662	06-08-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	SYSTEM AND METHOD FOR PANORAMIC IMAGE PROCESSING	15/115,381	29-07-2016	10,387,996	20-08-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	METHOD AND A SYSTEM FOR OBJECT RECOGNITION	15/616,474	07-06-2017	10,402,777	03-09-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	METHOD AND DEVICE FOR PANORAMIC IMAGE PROCESSING	15/187,276	20-06-2016	10,122,915	06-11-2018
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	CAMERA CONFIGURED TO BE MOUNTED TO STORE SHELF	16/354,652	15-03-2019	10,643,060	05-05-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	MONITORING SHELVES WITH PRESSURE AND LIGHT SENSORS	16/354,608	15-03-2019	10,521,646	31-12-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	USING CONTEXT TO UPDATE PRODUCT MODELS	16/354,601	15-03-2019	10,671,834	02-06-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	IDENTIFYING BOTTLE SIZES BASED ON BOTTLE PROPORTIONS	16/354,672	15-03-2019	10,546,182	28-01-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	USING PRICE IN VISUAL PRODUCT RECOGNITION	16/353,390	14-03-2019	10,558,843	11-02-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	WITHHOLDING NOTIFICATIONS DUE TO TEMPORARY MISPLACED PRODUCTS	16/353,452	14-03-2019	10,628,660	21-04-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	WITHHOLDING ALERTS DUE TO TEMPORARY SHELF OCCCLUSION	16/353,499	14-03-2019	10,452,924	22-10-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	INSPECTING STORE SHELF CAPACITY	16/353,621	14-03-2019	10,643,059	05-05-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	MONITORING A DISPLAY AND SHELF OF THE SAME PRODUCT	16/354,175	15-03-2019	10,521,645	31-12-2019

Grantor	Country	Title	Application Number	Application Filing Date	Registration Number	Grant Date
SHOPKICK, INC.	US	DETERMINING PROPERTIES ASSOCIATED WITH SIGNAL SOURCES	15/941,966	30-03-2018	10,425,767	24-09-2019
SHOPKICK, INC.	US	REWARDS FOR PURCHASES	13/276,277	18-10-2011	10,360,592	23-07-2019
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR PRESENCE DETECTION	12/762,556	19-04-2010	9,886,696	06-02-2018
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR PRESENTMENT AND REDEMPTION OF PERSONALIZED DISCOUNTS	12/762,544	19-04-2010	10,304,069	28-05-2019
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR LOCATION-TRIGGERED REWARDS	12/762,526	19-04-2010	8,489,112	16-07-2013
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR DETECTING PRESENCE USING A WIFI NETWORK PROBE DETECTOR	12/764,522	21-04-2010	10,255,614	09-04-2019
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR ADAPTIVE OFFER DETERMINATION	12/767,047	26-04-2010	9,159,066	13-10-2015
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR ADAPTIVE OFFER DETERMINATION	14/841,621	31-08-2015	9,595,043	14-03-2017
SHOPKICK, INC.	US	DIGITAL FREQUENCY CARD	13/303,137	22-11-2011	9,990,645	05-06-2018
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR PRESENCE DETECTION	13/197,763	03-08-2011	9,264,151	16-02-2016
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR PRESENCE DETECTION	14/952,822	25-11-2015	9,697,539	04-07-2017
CVDM SOLUTIONS SAS	US	METHOD FOR THE AUTOMATED EXTRACTION OF A PLANOGRAM FROM IMAGES OF SHELVING	14/004,714	12-09-2013	9,141,886	22-09-2015

II. United States Patent Applications

Grantor	Country	Title	Application Number	Application Filing Date
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	IDENTIFYING PRODUCTS USING A VISUAL CODE	16/310,157	14-12-2018
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	Using Augmented Reality For Image Capturing A Retail Unit	16/244,907	10-01-2019

Grantor	Country	Title	Application Number	Application Filing Date
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	SELECTIVE USAGE OF PRODUCT MODELS	16/354,717	15-03-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	IDENTIFYING PRODUCTS BASED ON PROPORTIONS OF NEARBY BOTTLES	16/714,861	16-12-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	MONITORING SHELVES WITH PRESSURE AND LIGHT SENSORS	16/739,920	10-01-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	UPDATING ONLINE STORE INVENTORY BASED ON PHYSICAL STORE INVENTORY	16/578,595	23-09-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	COMPARING PLANOGRAM COMPLIANCE TO CHECKOUT	16/354,186	15-03-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	MONITORING PRODUCT SHORTAGES OVER TIME	16/569,635	12-09-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	AGGREGATING PRODUCT SHORTAGE INFORMATION	16/569,645	12-09-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	MANAGING INVENTORY OF PERISHABLE PRODUCTS	16/569,655	12-09-2019
SHOPKICK, INC.	US	PRESENCE DETECTION USING BLUETOOTH AND HYBRID-MODE TRANSMITTERS	14/172,854	04-02-2014
SHOPKICK, INC.	US	DETERMINING PROPERTIES ASSOCIATED WITH SIGNAL SOURCES	16/518,904	22-07-2019
SHOPKICK, INC.	US	VARYING APPLICATION STRATEGY BASED ON DEVICE STATE	15/942,062	30-03-2018
SHOPKICK, INC.	US	METHOD AND SYSTEM FOR PRESENCE DETECTION	16/376,927	05-04-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	IMAGE PROCESSING METHODS AND SYSTEMS IN A RETAIL ENVIRONMENT	62/872,751	11-07-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	DISPLAY SCREENS IN RETAIL STORES AND THEIR USAGES	62/876,685	21-07-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	IMAGE PROCESSING METHODS AND SYSTEMS IN A RETAIL ENVIRONMENT	62/879,565	29-07-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	IMAGE PROCESSING METHODS AND SYSTEMS IN A RETAIL ENVIRONMENT	62/958,506	08-01-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	IMAGE PROCESSING METHODS AND SYSTEMS IN A RETAIL ENVIRONMENT	62/993,298	23-03-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	US	IMAGE PROCESSING METHODS AND SYSTEMS IN A RETAIL ENVIRONMENT	63/033,055	01-06-2020

III. Non-United States Patents

Grantor	Country	Title	Application Number	Application Filing Date	Registration Number	Grant Date
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	CA	AUTOMATICALLY MONITORING RETAIL PRODUCTS BASED ON CAPTURED IMAGES	3078985	10-01-2019	3078985	10-01-2019
CVDM SOLUTIONS SAS	EU	METHOD FOR THE AUTOMATED EXTRACTION OF A PLANOGRAM FROM IMAGES OF SHELVING	12712135.8	05-03-2012	12712135.8	29-04-2015
SHOPKICK, INC.	Germany	PRESENCE DETECTION USING BLUETOOTH AND HYBRID-MODE TRANSMITTERS	202014004802.9	04-02-2014	202014004802.9	16-07-2014
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	Israel	FINE GRAINED RECOGNITION METHOD AND SYSTEM	229806	05-12-2013	229806	30-06-2018

IV. Non-United States Patent Applications

Grantor	Country	Title	Application Number	Application Filing Date
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	EU	SYSTEM AND METHOD OF MONITORING RETAIL UNITS	14727260.3	24-04-2014
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	EU	A METHOD AND A SYSTEM FOR OBJECT RECOGNITION	15809764.2	07-06-2015
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	PCT	METHODS AND SYSTEMS FOR MONITORING PRODUCTS	PCT/US2020/021144	05-03-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	PCT	AUTOMATICALLY MONITORING RETAIL PRODUCTS BASED ON CAPTURED IMAGES	PCT/US2019/013054	10-01-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	PCT	SYSTEMS AND METHODS FOR MONITORING PRODUCTS AND AGGREGATING PRODUCT INFORMATION	PCT/US2019/49528	04-09-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	EU	AUTOMATICALLY MONITORING RETAIL PRODUCTS BASED ON CAPTURED IMAGES	19738218.7	10-01-2019
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	EU	AUTOMATICALLY MONITORING RETAIL PRODUCTS BASED ON CAPTURED IMAGES	20174099.0	12-05-2020

Grantor	Country	Title	Application Number	Application Filing Date
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	EU	AUTOMATICALLY MONITORING RETAIL PRODUCTS BASED ON CAPTURED IMAGES	20177094.8	28-05-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	EU	AUTOMATICALLY MONITORING RETAIL PRODUCTS BASED ON CAPTURED IMAGES	20177107.8	28-05-2020
TRAX TECHNOLOGY SOLUTIONS PTE LTD.	Canada	AUTOMATICALLY MONITORING RETAIL PRODUCTS BASED ON CAPTURED IMAGES	3078985	10-01-2019

PATENT

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RECORDED: 10/27/2021

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