

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6672751

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
RETAILNEXT, INC.		04/23/2021
RECEIVING PARTY DATA		
Name:	ALTER DOMUS (US) LLC	
Street Address:	225 W. WASHINGTON ST.	
Internal Address:	9TH FLOOR	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60606	
PROPERTY NUMBERS Total: 16		
Property Type	Number	
Patent Number:	9330468	
Patent Number:	9569786	
Patent Number:	8989775	
Patent Number:	9445234	
Patent Number:	9411037	
Patent Number:	8615254	
Patent Number:	9270952	
Patent Number:	9882955	
Patent Number:	10134146	
Patent Number:	10163031	
Patent Number:	10621735	
Patent Number:	10891741	
Patent Number:	10977662	
Application Number:	16233030	
Application Number:	16846912	
Application Number:	14823494	
CORRESPONDENCE DATA		
Fax Number:	(212)230-5199	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>		
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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 212-318-6518
Email: terrenceboyle@paulhastings.com
Correspondent Name: TERRENCE G. BOTLE
Address Line 1: C/O PAUL HASTINGS LLP
Address Line 2: 200 PARK AVENUE
Address Line 4: NEW YORK, NEW YORK 10166

ATTORNEY DOCKET NUMBER:	96107.00017
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NAME OF SUBMITTER:	TERRENCE G. BOYLE
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SIGNATURE:	/s/ Terrence G. Boyle
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DATE SIGNED:	04/23/2021
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Total Attachments: 6

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GRANT OF A SECURITY INTEREST -- PATENTS

This Patent Security Agreement (this "Patent Security Agreement") is made as of April 23, 2021, by RetailNext, Inc., a Delaware corporation ("Grantor"), in favor of Alter Domus (US) LLC, in its capacity as collateral agent for itself and the other Secured Parties (together with its successors and assigns in such capacity, "Grantee").

WHEREAS, the Grantor holds all right, title and interest in the letter patents, design patents and utility patents listed on the attached Schedule A, which patents are issued or applied for in the United States Patent and Trademark Office (the "Patents");

WHEREAS, the Grantor has entered into a Pledge and Security Agreement, dated April 23, 2021 (as amended, restated, supplemented, modified or otherwise changed from time to time, the "Security Agreement"), in favor of Grantee; and

WHEREAS, pursuant to the Security Agreement, the Grantor has granted to the Grantee for the benefit of the Secured Parties (as defined in the Security Agreement), a continuing security interest in all right, title and interest of the Grantor in, to and under the Patents and the applications and registrations thereof, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement thereof and any and all damages arising from past, present and future violations thereof (the "Collateral"), to secure the payment, performance and observance of the Secured Obligations (as defined in the Security Agreement).

NOW, THEREFORE, as collateral security for the payment, performance and observance of all of the Secured Obligations, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor does hereby grant to the Grantee and grant to the Grantee for the benefit of the Secured Parties, a continuing security interest in the Collateral to secure the prompt payment, performance and observance of the Secured Obligations.

All capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement

The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Grantee with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

This Patent Agreement shall be construed under and governed by the provisions set forth in Sections 13(g), (h), and (i) of the Security Agreement, *mutatis mutandis*.

This Patent Agreement may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Delivery of an executed counterpart by facsimile or electronic mail shall be equally effective as delivery of an original executed counterpart.

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IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of the date first set forth above.

RETAILNEXT, INC.

By: 
Name: Alexei Agratchev
Title: Chief Executive Officer & Secretary

SCHEDULE A TO GRANT OF A SECURITY INTEREST
Patents and Patent Applications

REGISTERED PATENTS:

Patent #	Filing Date	Grant Date	Title	Comments
9330468	Feb 28, 2013	May 3, 2016	Method and system for analyzing interactions	Patent on interaction analysis using radio frequency (RFID, WiFi or BLE) tags. CIP of 13/603,832.
9569786	Apr 27, 2015	Feb 14, 2017	Methods and systems for excluding individuals from retail analytics	Patent on staff exclusion for interior analytics / FPA. CIP of 9330468 and 13/603,832.
8989775	Feb 28, 2013	Mar 24, 2015	Method and system for wifi-based identification of person tracks	Patent on WiFi locationing of a device using RSSI (signal strength). CIP of 13/603,832.
9445234	Mar 9, 2015	Sep 13, 2016	Wireless-based identification of person tracks	Patent on wireless (e.g. BLE) locationing of a device using RSSI (signal strength). Continuation of 8989775, CIP of 13/603,832.
9411037	Aug 17, 2011	Aug 9, 2016	Calibration of Wi-Fi localization from video localization	Patent on improving wireless locationing accuracy using video locationing data. Nearbuy patent.
8615254	Aug 17, 2011	Dec 24, 2013	Target localization utilizing wireless and camera sensor fusion	Patent on improving location accuracy by fusing video and wireless data by using probability grids. Nearbuy patent.
9270952	Oct 25, 2013	Feb 23, 2016	Target localization utilizing wireless and camera sensor fusion	Patent on improving location accuracy by fusing video and wireless data by using track matching. Nearbuy patent. Divisional of 8615254.

Patent #	Filing Date	Grant Date	Title	Comments
9882955	Jan 9, 2013	Sep 28, 2017	Wireless analytics in physical spaces	Patent on captive portal, mobile browsing, and performing real-time actions (such as sending an SMS) based on the shopper's location and browsing activity. Nearbuy patent.
10134146	Jan 13, 2017	Nov 20, 2018	Detecting, tracking, and counting objects in video	Aurora ordinary patent. Patent on improving tracking accuracy by tracking in batches, and for improving detection accuracy by comparing objects against 3D models ("avatars").
10163031	Sep 5, 2012	Dec 25, 2018	Method and system for full path analysis	Patent on FPA. Covers mapping of cameras onto floor plan and stitching of individual tracks.
10621735	Nov 15, 2018	April 14, 2020	Detecting, tracking, and counting objects in video (Continuation application)	Continuation patent on the Aurora Ordinary patent (15/405,859).
10,891,741	Dec 26, 2018	Jan 12, 2021	Human analytics using fusion of image and depth modalities	Fusion patent.
10,977,662	July 14, 2016	April 13, 2021	Methods and systems for simulating agent behaviour in a virtual environment	Patent on simulating shopper behavior in a virtual retail space using previously observed behavioral data.

PATENT APPLICATIONS:

Appl #	Filing Date	Title	Comments
16/233,030	12/26/18	SIMULTANEOUS OBJECT LOCALIZATION AND ATTRIBUTE CLASSIFICATION USING MULTITASK DEEP NEURAL NETWORKS	Ordinary patent application for Aurora Deep Learning filed.
16/846,912	4/13/20	DETECTING, TRACKING AND COUNTING OBJECTS IN VIDEOS	The second continuation application filed on the Aurora Ordinary patent (15/405,859).

Appl #	Filing Date	Title	Comments
14/823,494	8/11/2015	Selectively Generating Customized Marketing Content	Final rejection mailed 11/12/2020

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RECORDED: 04/23/2021

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