

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6652250

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
ZEBRA TECHNOLOGIES CORPORATION	03/31/2021

RECEIVING PARTY DATA

Name:	JPMORGAN CHASE BANK, N.A.
Street Address:	CIB DMO WLO, MAIL CODE NY1-C413, 4CMC
City:	BROOKLYN
State/Country:	NEW YORK
Postal Code:	11245-0001

PROPERTY NUMBERS Total: 20

Property Type	Number
Application Number:	17076611
Application Number:	17078823
Application Number:	17080750
Application Number:	17080436
Application Number:	17080277
Application Number:	17080602
Application Number:	17081412
Application Number:	17086779
Application Number:	17088453
Application Number:	17089889
Application Number:	17091910
Application Number:	17094951
Application Number:	17099748
Application Number:	17104100
Application Number:	17105158
Application Number:	17113741
Application Number:	17115450
Application Number:	17119658
Application Number:	17127526
Application Number:	17118046

PATENT

CORRESPONDENCE DATA**Fax Number:** (214)978-3099

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Phone: 214-978-3000**Email:** docket@bakermckenzie.com**Correspondent Name:** BAKER & MCKENZIE LLP**Address Line 1:** 1900 N. PEARL STREET**Address Line 2:** SUITE 1500**Address Line 4:** DALLAS, TEXAS 75201

ATTORNEY DOCKET NUMBER:	10003518-50750853
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NAME OF SUBMITTER:	TERRI MASSENGALE
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SIGNATURE:	/Terri Massengale/
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DATE SIGNED:	04/12/2021
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Total Attachments: 25

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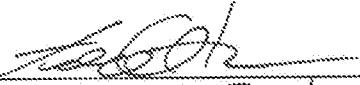
IP SUPPLEMENT

This IP SUPPLEMENT, dated as of March 31, 2021 is delivered pursuant to and supplements (i) the Security Agreement, dated as of October 27, 2014 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement"), by and among the Grantors named therein and JPMorgan Chase Bank, N.A., as the Collateral Agent, and (ii) the Patent Security Agreement dated as of July 1, 2019 (the "Agreement") executed by Grantor. Capitalized terms used herein and not otherwise defined herein shall have the meanings ascribed thereto in the Agreement.

Grantor grants to the Collateral Agent (for the benefit of the Secured Parties) a security interest in all of Grantor's right, title and interest in and to the Patent Collateral set forth on Schedule A annexed hereto. All such Patent Collateral shall be deemed to be part of the Patent Collateral and shall be hereafter subject to each of the terms and conditions of the Security Agreement and the Agreement.

IN WITNESS WHEREOF, Grantor has caused this IP Supplement to be duly executed and delivered by its duly authorized officer as of March 31, 2021.

**ZEBRA TECHNOLOGIES
CORPORATION**

By: 
Name: Todd A. Beck
Title: Corporate Counsel &
Authorized Officer

**SCHEDULE A
TO
IP SUPPLEMENT**

Application Number	Country	Patent Number	Filed Date	Patent Reference	Assignee Name	Title
Zebra Technologies Corporation						
16/373232	United States of America		4/2/2019	152613US02	Zebra Technologies Corporation	Illumination Assemblies for Use in Barcode Readers and Devices and Methods Associated Therewith
16/217837	United States of America		12/12/2018	152764US01	Zebra Technologies Corporation	Method and Apparatus for Calibrating Trailer Monitoring Units
16/224471	United States of America		12/18/2018	152607US01	Zebra Technologies Corporation	Method for Improper Product Barcode Detection
16/217296	United States of America		12/12/2018	152748US01	Zebra Technologies Corporation	Method, System and Apparatus for Navigational Assistance
16/235651	United States of America		12/28/2018	152444US01	Zebra Technologies Corporation	Methods and System for Enhanced RFID Direction Finding
16/193928	United States of America		11/16/2018	152620US01	Zebra Technologies Corporation	Wireless Charging Arrangements Associated with Barcode Readers
16/217918	United States of America		12/12/2018	152614US01	Zebra Technologies Corporation	Grouping Associated Customers with a Connected Customer
16/245969	United States of America		1/11/2019	152929US01	Zebra Technologies Corporation	Industrial Digital Barcode Scanner
16/721514	United States of America		12/19/2019	152928US02	Zebra Technologies Corporation	Industrial Digital Barcode Scanner

16/507900	United States of America	10699087	7/10/2019	152667US01	Zebra Technologies Corporation	An Alternative Method to Interact with a User Interface Using Standard Barcode Scanners Paired Up with an Augmented Reality Heads Up Display
16/224446	United States of America	10685198	12/18/2018	152726US01	Zebra Technologies Corporation	Barcode Readers Including Illumination Assemblies with Different Color Lights
16/167159	United States of America	10691905	10/22/2018	152742US01	Zebra Technologies Corporation	Data Capture Device
16/208153	United States of America	10740581	12/3/2018	152725US01	Zebra Technologies Corporation	Dual Mode Reader and Method of Reading DPM Codes Therewith
15/066972	United States of America	10134149	9/12/2014	153698US01	Zebra Technologies Corporation	Image Processing
13/127901	United States of America	8712158	7/7/2011	153697US01	Zebra Technologies Corporation	Keypoint Descriptor Generation by Complex Wavelet Analysis
14/249295	United States of America	9152879	4/9/2014	153697US02	Zebra Technologies Corporation	Keypoint Descriptor Generation by Complex Wavelet Analysis
14/841442	United States of America	9691003	8/31/2015	153697US03	Zebra Technologies Corporation	Keypoint Descriptor Generation by Complex Wavelet Analysis
29/680020	United States of America	D873910	2/12/2019	151203US03	Zebra Technologies Corporation	Media Processing Device
16/219691	United States of America	10716177	12/13/2018	152787US01	Zebra Technologies Corporation	Method and Apparatus for Control of Mobile Automation Apparatus Light Emitters

16/277235	United States of America	10481238	2/15/2019	151389US03	Zebra Technologies Corporation	Method and Apparatus to Generate Site Health Information
16/279410	United States of America	10520582	2/19/2019	150320US61	Zebra Technologies Corporation	Method for Iterative Target Location in a Multiple Receiver Target Location System
12/377490	United States of America	8718321	6/12/2009	153693US01	Zebra Technologies Corporation	Method of Image Processing
14/254851	United States of America	9424486	4/16/2014	153693US02	Zebra Technologies Corporation	Method of Image Processing
15/956275	United States of America	10707908	4/18/2018	150320US60	Zebra Technologies Corporation	Method, Apparatus, and Computer Program Product for Evaluating Performance Based on Real-Time Data for Proximity and Movement of Objects
16/219679	United States of America	10731970	12/13/2018	152788US01	Zebra Technologies Corporation	Method, System and Apparatus for Support Structure Detection
16/221718	United States of America	10748047	12/17/2018	152604US01	Zebra Technologies Corporation	Methods and Products for Displaying Encoded Information and Systems Associated Therewith
16/297110	United States of America	10545533	3/8/2019	152941US01	Zebra Technologies Corporation	Modular External Frame for Mobile Computing Devices
15/609823	United States of America	10212262	5/31/2017	150320US57	Zebra Technologies Corporation	Modular Location Tag for a Real Time Location System Network

29/681900	United States of America	D867446	2/28/2019	151967US02	Zebra Technologies Corporation	Ribbon Cartridge
16/271349	United States of America	10643045	2/8/2019	152946US01	Zebra Technologies Corporation	Staged Battery Latching Mechanism
16/229698	United States of America	10732380	12/21/2018	152487US01	Zebra Technologies Corporation	Swipe Scanning for Variable Focus Imaging Systems
16/168545	United States of America	10687045	10/23/2018	152211US01	Zebra Technologies Corporation	Systems and Methods for Idle Time in Commercial Trailer Loading
16/221816	United States of America		12/17/2018	152623US01	Zebra Technologies Corporation	Method for Improving the Accuracy of a Convolution Neural Network Training Image Data Set for Loss Prevention Applications
16/670446	United States of America		10/31/2019	152825US01	Zebra Technologies Corporation	A Method for Automatic Camera Installation Guidance (CIG)
16/208214	United States of America		12/3/2018	152350US01	Zebra Technologies Corporation	Antenna Assembly for an RFID Reader
16/289325	United States of America		2/28/2019	150943US03	Zebra Technologies Corporation	Cradle Apparatus and Printing Device Interface
16/397516	United States of America		4/29/2019	150261US04	Zebra Technologies Corporation	Encoding Module, Associated Encoding Element, Connector, Printer-Encoder and Access Control System

16/722168	United States of America		12/20/2019	150312US04	Zebra Technologies Corporation	Frequency Channel Diversity for Real-Time Locating Systems, Methods, and Computer Program Products
16/507581	United States of America		7/10/2019	151922US02	Zebra Technologies Corporation	Input Handling For Media Processing Devices
16/581055	United States of America		9/24/2019	152916US02	Zebra Technologies Corporation	Magnetically Locking Tethering Device
16/189574	United States of America		11/13/2018	152151US01	Zebra Technologies Corporation	Method and Apparatus for Dimensioning Objects
16/219701	United States of America		12/13/2018	152019US01	Zebra Technologies Corporation	Method and Apparatus for Dimensioning Objects
16/189783	United States of America		11/13/2018	152560US01	Zebra Technologies Corporation	Method and Apparatus for Labeling of Support Structures
16/189790	United States of America		11/13/2018	152559US01	Zebra Technologies Corporation	Method and Apparatus for Labeling of Support Structures
16/501530	United States of America		4/23/2019	150206US05	Zebra Technologies Corporation	Method and Apparatus for Managing Remote Devices and Accessing Remote Device Data
16/219696	United States of America		12/13/2018	152672US01	Zebra Technologies Corporation	Method and Apparatus for Providing Multimodal Input Data to Client Applications
16/193820	United States of America		11/16/2018	152578US01	Zebra Technologies Corporation	Method and Apparatus for Verification of an Authentication Symbol

16/225167	United States of America		12/19/2018	152765US01	Zebra Technologies Corporation	Method and System for a Machine Vision Interface
16/218969	United States of America		12/13/2018	152621US01	Zebra Technologies Corporation	Method for Automating Supervisory Signal During Training of a Neural Network Using Barcode Scan
16/538356	United States of America		8/12/2019	150320US64	Zebra Technologies Corporation	Method, Apparatus, and Computer Program Product for Collecting and Displaying Sporting Event Data Based on Real Time Data for Proximity and Movement of Objects
16/398240	United States of America		4/29/2019	150760US02	Zebra Technologies Corporation	Method, Apparatus, and Computer Program Product for Enhancement of Fan Experience Based on Location Data
16/385909	United States of America		4/16/2019	150320US63	Zebra Technologies Corporation	Method, Apparatus, and Computer Program Product for Real Time Location System Referencing in Physically and Radio Frequency Challenged Environments
16/557660	United States of America		8/30/2019	152514US02	Zebra Technologies Corporation	Method, System and Apparatus for Dimensioning Items
16/719541	United States of America		12/18/2019	152772US01	Zebra Technologies Corporation	Method, System and Apparatus for Dynamic Loop Closure in Mapping Trajectories

16/189519	United States of America		11/13/2018	152562US01	Zebra Technologies Corporation	Method, System and Apparatus for Dynamic Staging of Client Computing Devices
16/189593	United States of America		11/13/2018	152658US01	Zebra Technologies Corporation	Method, System and Apparatus for Obstacle Handling in Navigational Path Generation
16/235835	United States of America		12/28/2018	152442US02	Zebra Technologies Corporation	Methods and System for Enhanced RFID Direction Finding
16/368521	United States of America		3/28/2019	150320US62	Zebra Technologies Corporation	Performance Analytics Based on Real-Time Data for Proximity and Movement of Objects
16/356911	United States of America		3/18/2019	150100US02	Zebra Technologies Corporation	Platen Wrap Detection
16/664288	United States of America		10/25/2019	151054US04	Zebra Technologies Corporation	Printhead Carriers and Adapters
16/739881	United States of America		1/10/2020	151362US02	Zebra Technologies Corporation	Printhead Pin Configurations
16/225802	United States of America		12/19/2018	152774US01	Zebra Technologies Corporation	System and Method for Detecting a Presence or Absence of Objects in a Trailer
16/228317	United States of America		12/20/2018	152622US01	Zebra Technologies Corporation	System and Method to Enhance Image Input for Object Recognition System
16/443311	United States of America		6/17/2019	151905US02	Zebra Technologies Corporation	System, Method and Apparatus for Battery Allocation

16/218101	United States of America		12/12/2018	151999US01	Zebra Technologies Corporation	Systems and Approaches for Reducing Power Consumption in Industrial Digital Barcode Scanners
16/229205	United States of America		12/21/2018	152818US01	Zebra Technologies Corporation	Systems and Methods for RFID Tag Locationing in Augmented Reality Display
17/047259	United States of America		4/11/2019	152419US02	Zebra Technologies Corporation	Handheld Symbol Reader with Optical Element to Redirect Central Illumination Axis
17/054398	United States of America		5/2/2019	152171US02	Zebra Technologies Corporation	Systems and Methods for Locating Devices in Venues
29/719258	United States of America		1/2/2020	153589US01	Zebra Technologies Corporation	Data Capture Device
16/736632	United States of America		1/7/2020	153550US01	Zebra Technologies Corporation	Method to Synchronize a Barcode Decode with a Video Camera to Improve Accuracy of Retail POS Loss Prevention
16/737708	United States of America		1/8/2020	153594US01	Zebra Technologies Corporation	Doubly Interlaced Sensor Array and Method to Support Low Power Counting and Identification
16/737717	United States of America		1/8/2020	153540US01	Zebra Technologies Corporation	Systems, Apparatuses, and Methods for Triggering Object Recognition and Program Generation via Shelf Sensors
29/719904	United States of America		1/8/2020	153607US01	Zebra Technologies Corporation	Asset Tracking Equipment Housing
16/747516	United States of America		1/20/2020	153595US01	Zebra Technologies Corporation	Methods and Apparatus to Secure Communication Devices to Wristbands

16/750755	United States of America		1/23/2020	153446US01	Zebra Technologies Corporation	Scheduled Connect and Disconnect of Cordless Scanner
16/773607	United States of America		1/27/2020	153035US01	Zebra Technologies Corporation	Interleaved Image Capture for Dimensioning System
16/773506	United States of America		1/27/2020	153443US01	Zebra Technologies Corporation	Methods for Unit Load Device (ULD) Localization
16/774604	United States of America		1/28/2020	153027US01	Zebra Technologies Corporation	System and Method for Lesion Monitoring
16/774115	United States of America		1/28/2020	153414US01	Zebra Technologies Corporation	Methods and Apparatus to Image Objects Using Docked Handheld Imagers
16/776054	United States of America		1/29/2020	153018US01	Zebra Technologies Corporation	Method, System and Apparatus for Mobile Locationing
16/775452	United States of America		1/29/2020	153424US01	Zebra Technologies Corporation	Optical Arrangement for Wide Angle Imaging Lens with Front Entrance Pupil
16/776242	United States of America		1/29/2020	153453US01	Zebra Technologies Corporation	Method and Apparatus for Streamlined Battery Swapping
16/777351	United States of America		1/30/2020	150320US66	Zebra Technologies Corporation	Method, Apparatus, and Computer Program Product for Employing a Spatial Association Model in a Real Time Location System
16/779477	United States of America		1/31/2020	153451US01	Zebra Technologies Corporation	Methods for Detecting if a Time of Flight (TOF) Sensor is Looking Into a Container
16/788522	United States of America		2/12/2020	153545US01	Zebra Technologies Corporation	Method for Detecting Trailer Status Using Combined 3D Algorithms and 2D Machine Learning Models

16/795243	United States of America		2/19/2020	153483US01	Zebra Technologies Corporation	Three-Dimensional (3D) Imaging Systems and Methods for Detecting and Dimensioning a Vehicle Storage Area
16/796524	United States of America		2/20/2020	153267US01	Zebra Technologies Corporation	Mount System for a Monitoring Device
29/725023	United States of America		2/21/2020	153590US01	Zebra Technologies Corporation	Presentation Cradle
29/725028	United States of America		2/21/2020	153591US01	Zebra Technologies Corporation	Charging Station
16/799512	United States of America		2/24/2020	153454US01	Zebra Technologies Corporation	Methods and Apparatus to Indicate Off-Platter Weigh Conditions
16/799317	United States of America		2/24/2020	153467US01	Zebra Technologies Corporation	Object Recognition Scanning Systems and Methods for Implementing Artificial Intelligence Based Item Determination
16/800116	United States of America		2/25/2020	150343US05	Zebra Technologies Corporation	Methods, Apparatuses, and Computer Program Products for Implementing Cloud Connected Printers and an Adaptive Printer-Based Application Framework
16/800780	United States of America		2/25/2020	153308US01	Zebra Technologies Corporation	Depth-Based Data Capture System Configuration
16/800786	United States of America		2/25/2020	153312US01	Zebra Technologies Corporation	Parallel Data Capture System
16/800797	United States of America		2/25/2020	153317US01	Zebra Technologies Corporation	Data Capture System
16/800805	United States of America		2/25/2020	153329US01	Zebra Technologies Corporation	Transporter Segmentation for Data Capture System

16/800866	United States of America		2/25/2020	153426US01	Zebra Technologies Corporation	Optical Arrangement for Small Size Wide Angle Auto Focus Imaging Lens for High Resolution Sensors
29/725704	United States of America		2/26/2020	153502US01	Zebra Technologies Corporation	Mobile Computing Device
29/725713	United States of America		2/26/2020	153503US01	Zebra Technologies Corporation	Battery
16/801792	United States of America		2/26/2020	153518US01	Zebra Technologies Corporation	Three-Dimensional (3D) Imaging Systems and Methods for Virtual Grading of Package Walls in Commercial Trailer Loading
16/803746	United States of America		2/27/2020	153519US01	Zebra Technologies Corporation	Optical Arrangement in Machine Vision System with Diffusive and Direct Illumination for DPM Indicia
16/803662	United States of America		2/27/2020	153524US01	Zebra Technologies Corporation	Systems and Methods for Adaptive Energy Storage in an Illumination System
16/803650	United States of America		2/27/2020	153530US01	Zebra Technologies Corporation	Systems and Methods for an Adaptive Power Drive in an Illumination System
62/983132	United States of America		2/28/2020	153457US01	Zebra Technologies Corporation	Perforations Between Media Units on a Synthetic Liner
16/805089	United States of America		2/28/2020	153508US01	Zebra Technologies Corporation	Identified Object Based Imaging Scanner Optimization
16/807909	United States of America		3/3/2020	153570US01	Zebra Technologies Corporation	Interleaved Frame Types Optimized for Vision Capture and Barcode Capture

16/810566	United States of America		3/5/2020	153333US01	Zebra Technologies Corporation	Smart Shelf Systems and Methods of Operating the Same
16/810110	United States of America		3/5/2020	153393US01	Zebra Technologies Corporation	Dynamic Device Configuration and Deployment
16/821504	United States of America		3/17/2020	153314US01	Zebra Technologies Corporation	Transporter Segmentation for Data Capture System
16/824038	United States of America		3/19/2020	153287US01	Zebra Technologies Corporation	Automated Chute Fullness Detection
16/824368	United States of America		3/19/2020	153497US01	Zebra Technologies Corporation	Intelligent Method of Tracking Focus in Machine Vision Applications
16/823553	United States of America		3/19/2020	153600US01	Zebra Technologies Corporation	Bioptic Reader Assembly with Video Upgrade Module
16/825666	United States of America		3/20/2020	152163US02	Zebra Technologies Corporation	Output Hopper for Media Processing Devices
16/827000	United States of America		3/23/2020	153588US01	Zebra Technologies Corporation	Multiple Field of View (FOV) Vision System
16/828692	United States of America		3/24/2020	153566US01	Zebra Technologies Corporation	Methods for Unit Load Device (ULD) Door Tarp Detection
16/832775	United States of America		3/27/2020	153681US01	Zebra Technologies Corporation	Methods for Determining Unit Load Device (ULD) Container Type using Template Matching
16/834949	United States of America		3/30/2020	153610US01	Zebra Technologies Corporation	Method, System and Apparatus for Data Capture Illumination Control
16/838911	United States of America		4/2/2020	152946US02	Zebra Technologies Corporation	Staged Battery Latching Mechanism
16/842160	United States of America		4/7/2020	153501US01	Zebra Technologies Corporation	Detection of Calibration Errors

16/844829	United States of America		4/9/2020	152709US01	Zebra Technologies Corporation	Automated Contextualization of Operational Observations
16/844755	United States of America		4/9/2020	153651US01	Zebra Technologies Corporation	Media Cartridge
29/730945	United States of America		4/9/2020	153653US01	Zebra Technologies Corporation	Media Cartridge
29/730946	United States of America		4/9/2020	153787US01	Zebra Technologies Corporation	Media Processing Device
16/846918	United States of America		4/13/2020	153601US01	Zebra Technologies Corporation	Communication Maximum Charge Current from Cradle to Scanner Over a Contact Less Interface
16/851991	United States of America		4/17/2020	150940US04	Zebra Technologies Corporation	Modular Print Drive Assembly and Platen Assembly
16/852248	United States of America		4/17/2020	153389US01	Zebra Technologies Corporation	System and Method for Extracting Target Data from Labels
16/855516	United States of America		4/22/2020	153485US01	Zebra Technologies Corporation	Laser Printhead Raster Path Configuration for Modifying a Rewritable Label
16/855567	United States of America		4/22/2020	153489US01	Zebra Technologies Corporation	Laser Printhead Raster Path Configuration for Modifying a Rewritable Label
16/855644	United States of America		4/22/2020	153499US01	Zebra Technologies Corporation	Configuring a Sealed Enclosure for a Laser Printhead
16/855693	United States of America		4/22/2020	153500US01	Zebra Technologies Corporation	Laser Containment Structure for a Laser Printhead
16/855742	United States of America		4/22/2020	153539US01	Zebra Technologies Corporation	Control of Laser Printhead for Writing or Erasing Content

16/856913	United States of America		4/23/2020	153224US01	Zebra Technologies Corporation	Systems and Methods for Identifying Potential Shrink Events
16/856993	United States of America		4/23/2020	153397US01	Zebra Technologies Corporation	Three-Dimensional (3D) Imaging Systems and Methods for Determining Vehicle Storage Areas and Vehicle Door Statuses
16/856959	United States of America		4/23/2020	153644US01	Zebra Technologies Corporation	Method for Accurate Object Tracking With Color Camera In Multi Planar Scanners
16/860960	United States of America		4/28/2020	153688US01	Zebra Technologies Corporation	Systems and Methods of Detecting Scan Avoidance Events
16/861008	United States of America		4/28/2020	153769US01	Zebra Technologies Corporation	Systems and Methods of Detecting Scan Avoidance Events
16/861038	United States of America		4/28/2020	153770US01	Zebra Technologies Corporation	Systems and Methods of Detecting Scan Avoidance Events
16/861781	United States of America		4/29/2020	153538US01	Zebra Technologies Corporation	Reference Surface Detection for Mobile Dimensioning
16/863722	United States of America		4/30/2020	153268US01	Zebra Technologies Corporation	Print Head Mechanism
29/734905	United States of America		5/15/2020	153705US01	Zebra Technologies Corporation	Mobile Computing Device
16/874880	United States of America		5/15/2020	153710US01	Zebra Technologies Corporation	Tilt Sensor
29/735385	United States of America		5/20/2020	151203US05	Zebra Technologies Corporation	Media Processing Device
16/880734	United States of America		5/21/2020	153294US01	Zebra Technologies Corporation	Streamlined Record Association and Updates

16/885489	United States of America		5/28/2020	153460US01	Zebra Technologies Corporation	Automated Audio Assembly Performance Assessment
16/885990	United States of America		5/28/2020	153533US01	Zebra Technologies Corporation	Item Collection Guidance System
16/885550	United States of America		5/28/2020	153567US01	Zebra Technologies Corporation	System and Method for Dimensioning Objects
16/886028	United States of America		5/28/2020	153656US01	Zebra Technologies Corporation	Failure Mitigation Apparatus for Wearable Display Devices
16/886401	United States of America		5/28/2020	153738US01	Zebra Technologies Corporation	Back Input/Output Interface Design
16/886385	United States of America		5/28/2020	153739US01	Zebra Technologies Corporation	Common Bottom Input/Output Interface Design for Mobile Computer
16/886368	United States of America		5/28/2020	153743US01	Zebra Technologies Corporation	Attachment Interface for Multi-Purpose Use
16/888273	United States of America		5/29/2020	153132US01	Zebra Technologies Corporation	Barcode Readers with 3D Camera(s)
16/887059	United States of America		5/29/2020	153488US01	Zebra Technologies Corporation	Scalable Assistive Data Generation and Delivery
16/888387	United States of America		5/29/2020	153574US01	Zebra Technologies Corporation	Using Barcodes to Determine Item Dimensions
16/888418	United States of America		5/29/2020	153696US01	Zebra Technologies Corporation	Method to Generate Neural Network Training Image Annotations
16/887192	United States of America		5/29/2020	153713US01	Zebra Technologies Corporation	Method of Detecting a Scan Avoidance Event When an Item is Passed Through the Field of View of the Scanner
16/888070	United States of America		5/29/2020	153719US01	Zebra Technologies Corporation	Compact Self-Checkout Kiosks

16/888319	United States of America		5/29/2020	153721US01	Zebra Technologies Corporation	Self-Checkout Kiosk
16/887256	United States of America		5/29/2020	153748US01	Zebra Technologies Corporation	Optical Arrangement for Small Size Wide Angle Auto Focus Imaging Lens for High Resolution Sensors
16/897631	United States of America		6/10/2020	153378US01	Zebra Technologies Corporation	Radio-Frequency Identification (RFID) Locationing Systems and Methods for Locating One or More Items Positioned Within a Defined Space
16/898184	United States of America		6/10/2020	153863US01	Zebra Technologies Corporation	Methods and Apparatus to Read Barcodes on Reflective Surfaces
16/899355	United States of America		6/11/2020	153599US01	Zebra Technologies Corporation	Estimating Physiological Load From Location Data
16/902026	United States of America		6/15/2020	152726US02	Zebra Technologies Corporation	Barcode Readers Including Illumination Assemblies with Different Color Lights
16/901868	United States of America		6/15/2020	153905US01	Zebra Technologies Corporation	Three-Dimensional Sensor Acuity Recovery Assistance
29/738152	United States of America		6/15/2020	153947US01	Zebra Technologies Corporation	Mobile Dimensioning Device
16/905606	United States of America		6/18/2020	153755US01	Zebra Technologies Corporation	Method for Calculating Real Time Package Density
29/738811	United States of America		6/19/2020	153776US01	Zebra Technologies Corporation	Data Capture Device
29/738813	United States of America		6/19/2020	153777US01	Zebra Technologies Corporation	Data Capture Device
29/738815	United States of America		6/19/2020	153778US01	Zebra Technologies Corporation	Data Capture Device
29/738816	United States of America		6/19/2020	153779US01	Zebra Technologies Corporation	Data Capture Device

16/906173	United States of America		6/19/2020	153855US01	Zebra Technologies Corporation	Systems and Methods for Determining Facility Exposure to a Source Condition
16/908409	United States of America		6/22/2020	152742US02	Zebra Technologies Corporation	Field-Upgradeable Barcode Readers
16/912393	United States of America		6/25/2020	153711US01	Zebra Technologies Corporation	Method, System and Apparatus for Cloud-Based Printing
29/739481	United States of America		6/25/2020	153741US01	Zebra Technologies Corporation	Trigger Handle
16/912420	United States of America		6/25/2020	153745US01	Zebra Technologies Corporation	Focus Stabilization of Imaging System with Variable Focus Lens
16/917488	United States of America		6/30/2020	153742US01	Zebra Technologies Corporation	Systems and Methods for Detecting Potential Shrink Events via RFID Technology
16/926246	United States of America		7/10/2020	153630US01	Zebra Technologies Corporation	Accessory Configuration for Enhancing Wireless Signal Reception of a User Device
29/741607	United States of America		7/14/2020	151854US02	Zebra Technologies Corporation	Battery Pack
16/928836	United States of America		7/14/2020	153507US01	Zebra Technologies Corporation	Barcode Scanning Based on Gesture Detection and Analysis
16/928792	United States of America		7/14/2020	153827US01	Zebra Technologies Corporation	Method to Eliminate RFID Cross Reads for RFID Point of Sale Scanners Using Imager Object Tracking
29/741842	United States of America		7/16/2020	153767US01	Zebra Technologies Corporation	Battery
16/932174	United States of America		7/17/2020	153512US01	Zebra Technologies Corporation	Mixed Depth Object Detection

16/932198	United States of America		7/17/2020	153786US01	Zebra Technologies Corporation	Directional Guidance and Layout Compliance for Item Collection
16/942468	United States of America		7/29/2020	151779US03	Zebra Technologies Corporation	Method and Apparatus to Communicate Data Associated with Media Processing Devices
29/744673	United States of America		7/30/2020	153828US01	Zebra Technologies Corporation	Mobile Computing Device
16/945498	United States of America		7/31/2020	153832US01	Zebra Technologies Corporation	Systems and Methods to Optimize Imaging Settings for a Machine Vision Job
16/945452	United States of America		7/31/2020	153833US01	Zebra Technologies Corporation	Systems and Methods for Creating Machine Vision Jobs Including Barcode Scanning
16/945392	United States of America		7/31/2020	153834US01	Zebra Technologies Corporation	Systems and Methods for Facilitating Selection of Tools for Machine Vision Jobs
16/945560	United States of America		7/31/2020	153835US01	Zebra Technologies Corporation	Systems and Methods to Optimize Performance of a Machine Vision System
16/945291	United States of America		7/31/2020	153917US01	Zebra Technologies Corporation	Automatic Identification and Presentation of Edges, Shapes and Unique Objects in an Image Used for a Machine Vision Job Setup
16/945361	United States of America		7/31/2020	153929US01	Zebra Technologies Corporation	Systems and Methods to Optimize Performance of a Machine Vision System
16/944723	United States of America		7/31/2020	153969US01	Zebra Technologies Corporation	Aggregation of Beacon Data for Network Load Mitigation

16/945536	United States of America		7/31/2020	153986US01	Zebra Technologies Corporation	Inadvertent Subsequent Scan Prevention for Symbology Reader with Weighing Platter
16/985832	United States of America		8/5/2020	152725US02	Zebra Technologies Corporation	Dual Mode Reader and Method of Reading DPM Codes Therewith
29/745640	United States of America		8/7/2020	153831US01	Zebra Technologies Corporation	Battery
16/995998	United States of America		8/18/2020	153736US01	Zebra Technologies Corporation	Systems and Methods for Automatically Generating Sensor Layouts
16/996244	United States of America		8/18/2020	153756US01	Zebra Technologies Corporation	Rapid Location-Based Association of Carriers and Items
29/747547	United States of America		8/24/2020	153788US01	Zebra Technologies Corporation	Power Pack
17/005127	United States of America		8/27/2020	153511US01	Zebra Technologies Corporation	Modular Inventory Management System
17/005105	United States of America		8/27/2020	154042US01	Zebra Technologies Corporation	Methods and Systems for Establishing a Bi-Directional Communication Link Between a Host Device and a Barcode Reader
17/006628	United States of America		8/28/2020	153829US01	Zebra Technologies Corporation	Autofocus Optical Arrangements and Assemblies Including Voice Coil Motors
17/009538	United States of America		9/1/2020	153859US01	Zebra Technologies Corporation	Optical Arrangement of Adaptive Illumination System with Variable Illuminating Angle and VCM Motor
29/749168	United States of America		9/3/2020	152921US02	Zebra Technologies Corporation	Media Processing Device

17/011688	United States of America		9/3/2020	153170US02	Zebra Technologies Corporation	Barcode Reader with Off-Platter Detection
17/011527	United States of America		9/3/2020	153420US01	Zebra Technologies Corporation	Event Notification Based on Editing a Transponder Identifier
17/017416	United States of America		9/10/2020	153903US01	Zebra Technologies Corporation	Biopric Barcode Reader
29/750293	United States of America		9/11/2020	154072US01	Zebra Technologies Corporation	Mobile Computing Device
29/750521	United States of America		9/14/2020	153012US02	Zebra Technologies Corporation	Asset Tracking Equipment Housing
17/020174	United States of America		9/14/2020	153998US01	Zebra Technologies Corporation	Removable Battery Pack
17/020320	United States of America		9/14/2020	153999US01	Zebra Technologies Corporation	Mobile Device and Assembly Process
63/078081	United States of America		9/14/2020	154082US01	Zebra Technologies Corporation	Wearable Device
17/023110	United States of America		9/16/2020	153899US01	Zebra Technologies Corporation	Stylus Feature for Handheld Barcode Scanner
17/026923	United States of America		9/21/2020	154085US01	Zebra Technologies Corporation	Devices Having Protective Screens Selectively Positionable to Switch Devices Between User Interface Modes and Methods of Operating the Same
29/752153	United States of America		9/25/2020	151967US04	Zebra Technologies Corporation	Ribbon Cartridge
29/752231	United States of America		9/25/2020	152944US02	Zebra Technologies Corporation	Battery
17/034460	United States of America		9/28/2020	153300US02	Zebra Technologies Corporation	Data Capture Device
17/036310	United States of America		9/29/2020	153888US01	Zebra Technologies Corporation	PPE Verification System at POS

17036324	United States of America		9/29/2020	153952US01	Zebra Technologies Corporation	Detection of Medically Related Events at a Point of Sale
29/753673	United States of America		10/1/2020	152920US02	Zebra Technologies Corporation	Media Processing Device
17/061190	United States of America		10/1/2020	153906US01	Zebra Technologies Corporation	Reestablishment Control for Dropped Calls
17/063308	United States of America		10/5/2020	153762US01	Zebra Technologies Corporation	Method and Apparatus for In-Field Stereo Calibration
17/064985	United States of America		10/7/2020	150062US07	Zebra Technologies Corporation	Portable Printer
29/754286	United States of America		10/8/2020	154112US01	Zebra Technologies Corporation	Media Cartridge
17/067023	United States of America		10/9/2020	152764US02	Zebra Technologies Corporation	Method and Apparatus for Recording Impact Events Associated with Trailer Monitoring Units
17/071593	United States of America		10/15/2020	153784US01	Zebra Technologies Corporation	Media Cartridge and Media Processing Device
17/071615	United States of America		10/15/2020	153826US01	Zebra Technologies Corporation	Engagement Mechanisms
17/076611	United States of America		10/21/2020	154065US01	Zebra Technologies Corporation	Lid Subsystem for Media Processing Devices
17/078823	United States of America		10/23/2020	153515US02	Zebra Technologies Corporation	Parallax-Tolerant Panoramic Image Generation
17/080750	United States of America		10/26/2020	152613US03	Zebra Technologies Corporation	System for Facilitating Customer Interactions in Fitting Rooms
						Illumination Assemblies for Use in Barcode Readers and Devices and Methods Associated Therewith
17/080436	United States of America		10/26/2020	152825US02	Zebra Technologies Corporation	Systems and Methods for Automatic Camera Installation Guidance (CIG)

17/080277	United States of America		10/26/2020	152929US02	Zebra Technologies Corporation	Industrial Digital Barcode Scanner
17/080602	United States of America		10/26/2020	154133US01	Zebra Technologies Corporation	Pin Board Interface
17/081412	United States of America		10/27/2020	154055US01	Zebra Technologies Corporation	Barrier Detection for Support Structures
17/086779	United States of America		11/2/2020	153918US01	Zebra Technologies Corporation	Automated Mobile Device Staging System
17/088453	United States of America		11/3/2020	153922US01	Zebra Technologies Corporation	Item Placement Detection and Optimization in Material Handling Systems
17/089889	United States of America		11/5/2020	153785US01	Zebra Technologies Corporation	Indicator Assembly for Media Processing Devices
17/091910	United States of America		11/6/2020	153901US01	Zebra Technologies Corporation	Systems and Methods for Finding Lost Devices
17/094951	United States of America		11/11/2020	154060US01	Zebra Technologies Corporation	Object Classification for Autonomous Navigation Systems
17/099748	United States of America		11/16/2020	153550US02	Zebra Technologies Corporation	Method to Synchronize a Barcode Decode with a Video Camera to Improve Accuracy of Retail POS Loss Prevention
17/104100	United States of America		11/25/2020	153885US01	Zebra Technologies Corporation	Devices, Systems, and Methods for Detecting Multiple Devices Within a Predetermined Proximity
17/105158	United States of America		11/25/2020	154037US01	Zebra Technologies Corporation	Monitoring and Feedback System for Processing Container Loads to Direct Performance Outcomes
17/113741	United States of America		12/7/2020	154064US01	Zebra Technologies Corporation	On-Site Calibration for Mobile Automation Apparatus

17/115450	United States of America		12/8/2020	153844US01	Zebra Technologies Corporation	Contactless Item Delivery Confirmation
17/119,658	United States of America		12/11/2020	153933US01	Zebra Technologies Corporation	Devices, Systems and Methods for Establishing a Bidirectional Link Between Devices
17/127526	United States of America		12/18/2020	153997US01	Zebra Technologies Corporation	Determining a Flight Path of an Object
17/118046	United States of America		12/10/2020	154005US01	Zebra Technologies Corporation	Provisioning System for Cloud-Connected Printers

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