

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6488629

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	STOPLIFT, INC.	05/23/2019
RECEIVING PARTY DATA		
Name:	NCR CORPORATION	
Street Address:	864 SPRING ST. NW	
City:	ATLANTA	
State/Country:	GEORGIA	
Postal Code:	30308	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16932233
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	request@slwip.com	
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER, P.A.	
Address Line 1:	P.O. BOX 2938	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402	
ATTORNEY DOCKET NUMBER:	18-4004-C09 (1592.A74US3)	
NAME OF SUBMITTER:	BRENDA K. KOWALKE	
SIGNATURE:	/ Brenda K. Kowalke /	
DATE SIGNED:	01/11/2021	
Total Attachments: 12		
source=1592A74US3_CORPTOCORPASSN#page1.tif		
source=1592A74US3_CORPTOCORPASSN#page2.tif		
source=1592A74US3_CORPTOCORPASSN#page3.tif		
source=1592A74US3_CORPTOCORPASSN#page4.tif		
source=1592A74US3_CORPTOCORPASSN#page5.tif		
source=1592A74US3_CORPTOCORPASSN#page6.tif		
source=1592A74US3_CORPTOCORPASSN#page7.tif		

source=1592A74US3_CORPTOCORPASSN#page8.tif
source=1592A74US3_CORPTOCORPASSN#page9.tif
source=1592A74US3_CORPTOCORPASSN#page10.tif
source=1592A74US3_CORPTOCORPASSN#page11.tif
source=1592A74US3_CORPTOCORPASSN#page12.tif

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 18-4004-C09 (1592.A74US3)

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Stoplift, Inc.

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

3. Nature of conveyance:

[X] Assignment [] Merger

[] Security Agreement [] Change of Name

[] Other

Execution Date: May 23, 2019

2. Name and address of receiving party(ies):

Name: NCR Corporation

Street Address: 864 Spring St. NW

City: Atlanta State: GA Zip: 30308

Country: United States of America

Additional name(s) & address(es) attached? [] Yes
[X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 16/932,233

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Joseph P. Mehrle

Address:

Schwegman Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

[] Enclosed

[] Authorized to be charged to deposit account
14-0225

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 14-0225

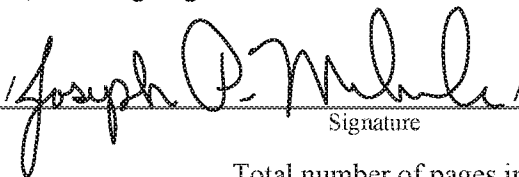
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Joseph P. Mehrle/Reg. No. 45,535

Name of Person Signing



Signature

January 8, 2021

Date

Total number of pages including cover sheet: 12

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

PATENT
REEL: 054872 FRAME: 0003

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Stoplift, Inc., a Delaware corporation ("*Assignor*"), hereby sells, assigns, transfers, and conveys to NCR Corporation, a Maryland corporation ("*Assignee*"), as of the Effective Date (defined below), all right, title, and interest in and to any and all of the following:

- (a) the following United States and foreign patent applications and patents listed on Exhibit A, attached hereto and incorporated herein by reference;
- (b) (i) all United States continuation, continuation-in-part, and divisional patent applications for any of the United States patent applications identified in category (a) above, and (ii) the rights to apply for any and all subsequent United States continuation, continuation-in-part, and divisional patent applications for any of the United States patent applications identified in categories (a) and (b)(i);
- (c) the United States and foreign patents which issue from any of the United States and foreign patent applications which issue from category (a) above;
- (d) the United States patents which result from any reissue or reexamination of any of the United States patents identified in category (a) above; and
- (e) the causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights, including, without limitation, causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) any other remedies of any kind, for past, current, and future infringement of any such patents, including royalties and other payments, except for any such causes of action and other enforcement rights against Assignor or any other person or entity that, on or before the Effective Date, is controlling, controlled by, or under common control with Assignor (such other person or entity, an "*Affiliate*"), or with respect to any of Assignor's or any Affiliate's products, services, or processes, arising from, or relating to, any activities occurring prior to the Effective Date.

For further clarity, the Patent Rights are sold, assigned, transferred, and conveyed pursuant to this Assignment of Patent Rights subject to the non-exclusive licenses, sublicenses and other similar agreements relating to any of the Patent Rights and disclosed in the Stock Purchase Agreement dated November 5, 2018.

Assignor hereby authorizes the respective patent office or governmental agency in each applicable jurisdiction to issue any and all patents, certificates of invention or other similar governmental grants or issuances that may be granted for any of the Patent Rights in the name of Assignee, as the assignee.

This Assignment of Patent Rights is binding upon Assignor and its successors and inures to the benefit of Assignee and any subsequent assigns of the Patent Rights.

[Remainder of page left blank]

IN WITNESS WHEREOF, Assignor has caused its duly authorized representative to execute this Assignment of Patent Rights as of this 23rd day of May, 2019 ("Effective Date").

ASSIGNOR:

Stoplift, Inc., a Delaware Corporation

By: _____

Name: Malay Kundu

Title: Chief Executive Officer

Before me, the undersigned notary public, this day, personally, appeared Malay Kundu, who being duly sworn according to law, has executed this Assignment and has stated that he/she has the authority to sign on behalf of the Assignor, Stoplift, Inc., as its Chief Executive Officer.

Subscribed and sworn to before me this 23 day of May, 2019.

Sophort Paou Notary Public
My Commission Expires: 2/6/26



ASSIGNEE:

NCR Corporation, a Maryland Corporation

By: 

Name: Chanda Kirchner

Title: Assistant Corporate Secretary and Chief Corporate Counsel

Before me, the undersigned notary public, this day, personally, appeared Chanda Kirchner, who being duly sworn according to law, has executed this Assignment, and that he/she has the authority to sign on behalf of the Assignee, NCR Corporation, as its Assistant Corporate Secretary and Chief Corporate Counsel.

Subscribed and sworn to before me this 21st day of June, 2019.

Cassandra L. White Notary Public

My Commission Expires: May 24, 2020

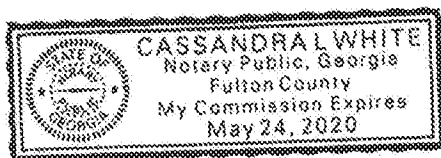


EXHIBIT A

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
3/29/05	US	Method and apparatus for detecting item pass through & misidentification			60/666,081		Malay Kundu, Vikram Srinivasan, Xiaowei Chen
3/29/06	PCT	Method and Apparatus for detecting Suspicious Activity using Video Analysis			PCT/US2006/011 853	WO/2006/10 5376	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen
3/29/06	EP	Method and Apparatus for detecting Suspicious Activity using Video Analysis			EP06749003.7	EP1872307	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen
3/29/06	DE	Method and Apparatus for detecting Suspicious Activity using Video Analysis					
3/29/06	RU	Method and Apparatus for detecting Suspicious Activity using Video Analysis					
3/29/06	JP	Method and Apparatus for detecting Suspicious Activity using Video Analysis	8/3/12	5054670	2008504413	2008538030	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen
3/29/06	CN	Method and Apparatus for detecting Suspicious Activity using Video Analysis	8/15/12	101268478	200680018688.X	101268478B	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
6/28/11	US	Identity Masking for Video Surveillance & Monitoring Applications			61/501,872		Joshua Migdal, Malay Kundu
6/28/12	PCT	Image Processing to Prevent Access to Private Information			PCT/US2012/044 717	WO/2013/00 3635	Joshua Migdal, Malay Kundu
6/28/12	EP	Image Processing to Prevent Access to Private Information			EP12804711.5	EP2727328	Joshua Migdal, Malay Kundu
6/28/12	US	Image Processing to Prevent Access to Private Information	10/21/14	8867853	13/536,846	2013000409 0	Joshua Migdal, Malay Kundu
9/29/14	US	Image Processing to Prevent Access to Private Information	3/21/17	9600727	14/499,669	2015004991 2	Joshua Migdal, Malay Kundu

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
12/21/12	US	Enhanced Security for Self Checkouts			61/740,858		Joshua Migdal, Matthew Farrow, Malay Kundu
12/23/13	PCT	Verification of Fraudulent Activities at a SelfCheckout Terminal			PCT/US2013/077607	WO/2014/100827	Joshua Migdal, Matthew Farrow, Malay Kundu
7/20/15	EP	Verification of Fraudulent Activities at a SelfCheckout Terminal			EP13824710.1	EP2936461	Joshua Migdal, Matthew Farrow, Malay Kundu
12/23/13	CN	Verification of Fraudulent Activities at a SelfCheckout Terminal	8/14/18	104885130	201380067289.2	104885130	Joshua Migdal, Matthew Farrow, Malay Kundu
6/17/15	JP	Verification of Fraudulent Activities at a SelfCheckout Terminal	9/8/17	6204491	2015549865	2016513296	Joshua Migdal, Matthew Farrow, Malay Kundu
8/30/17	JP	Verification of Fraudulent Activities at a SelfCheckout Terminal	Pending		2017164910	2018032404	Joshua Migdal, Matthew Farrow, Malay Kundu
12/23/13	US	Verification of Fraudulent Activities at a Self-Checkout Terminal	2/7/17	9564031	14/139,731	20140176719	Joshua Migdal, Matthew Farrow, Malay Kundu
12/22/16	US	Verification of Fraudulent Activities at a Self-Checkout Terminal	9/11/18	10074016	15/389,427	20170103266	Joshua Migdal, Matthew Farrow, Malay Kundu

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
6/6/11	US	Real Time Notification at the Checkout			61/493,705		Malay Kundu, Joshua Migdal, James Morrin, Matthew Farrow
6/6/12	PCT	Notification System and Methods for use in Retail Environments			PCT/US2012/041126	WO/2012/170551	Malay Kundu, Joshua Migdal, James Morrin, Matthew Farrow
6/6/12	EP	Notification System and Methods for use in Retail Environments			EP12796822.0	EP2718895	Malay Kundu, Joshua Migdal, James Morrin, Matthew Farrow
6/6/12	US	Notification System and Methods for use in Retail Environments			13/490,279	20120321146	Malay Kundu, Joshua Migdal, James Morrin, Matthew Farrow
6/6/12	US	Notification System and Methods for use in Retail Environments			13/490,281	20120320214	Malay Kundu, Joshua Migdal, Matthew Farrow
6/6/12	US	Notification System and Methods for use in Retail Environments			13/490,286	20120320199	Malay Kundu, Joshua Migdal

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
6/21/04	US	Method And Apparatus For Auditing Transaction Activity In Retail And Other Environments Using Visual Recognition			60/581,559		Malay Kundu, Vikram Srinivasan
11/15/04	US	Method and Appartus for Digital Archiving o Video			60/627,862		Malay Kundu, Vikram Srinivasan
3/29/05	US	Method and Apparatus for Detecting Item Pass Through & Misidentification			60/666,081		Malay Kundu, Vikram Srinivasan, Xiaowei Chen
6/20/05	US	Method And Apparatus For Auditing Transaction Activity In Retail And Other Environments Using Visual Recognition	4/14/09	7516888	11/157,127	Non-Pub Request	Malay Kundu, Vikram Srinivasan
3/29/06	US	Method and Apparatus for detecting Suspicious Activity using Video Analysis	12/15/09	7631808	11/393,370	20060243798	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen
3/17/09	US	Method And Apparatus For Auditing Transaction Activity In Retail And Other Environments Using Visual Recognition	1/31/12	8104680	12/405,640	20090226099	Malay Kundu, Vikram Srinivasan
6/22/09	US	Method And Apparatus For Detecting Suspicious Activity Using Video Analysis From Alternative Camera Viewpoint	5/28/13	8448858	12/489,099	Non-Pub Request	Malay Kundu, Joshua Migdal, Vikram Srinivasan, Matthew Farrow
11/24/09	US	Method And Apparatus For Detecting Suspicious Activity Using Video Analysis	3/13/12	8132725	12/625,046	20100166324	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen
2/3/12	US	Method and Apparatus for detecting Suspicious Activity using Video Analysis	9/16/14	8833653	13/365,522	20120127316	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen
9/15/14	US	Method and Apparatus for detecting Suspicious Activity using Video Analysis	12/1/15	9202117	14/485,848	20150002675	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen
11/24/15	US	Method and Apparatus for detecting Suspicious Activity using Video Analysis			14/949,966	20160078300	Malay Kundu, Vikram Srinivasan, Joshua Migdal, Xiaowei Chen

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
3/12/07	US	Methods and Apparatus for Cart Inspection For Suspicious Items			60/906,692		Malay Kundu, Brian Frank O'Donnell, Matthew K. Farrow, Vikram Srinivasan, Joshua Migdal
3/12/08	US	Cart Inspection For Suspicious Items	4/3/12	8146811	12/047,042	20080226129	Malay Kundu, Brian Frank O'Donnell, Matthew K. Farrow, Vikram Srinivasan, Joshua Migdal
4/2/12	US	Cart Inspection for Suspicious Items	4/30/13	8430312	13/437,456	20120188377	Malay Kundu, Brian Frank O'Donnell, Matthew K. Farrow, Vikram Srinivasan, Joshua Migdal
4/29/13	US	Cart Inspection for Suspicious Items	3/31/15	8995744	13/872,566	20130265433	Malay Kundu, Brian Frank O'Donnell, Matthew K. Farrow, Vikram Srinivasan, Joshua Migdal
3/16/15	US	Cart Inspection for Suspicious Items	2/16/16	9262832	14/658,582	20150187080	Malay Kundu, Brian Frank O'Donnell, Matthew K. Farrow, Vikram Srinivasan, Joshua Migdal
1/15/16	US	Cart Inspection for Suspicious Items	10/30/18	10115023	14/996,895	20160132733	Malay Kundu, Brian Frank O'Donnell, Matthew K. Farrow, Vikram Srinivasan, Joshua Migdal

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
10/26/09	US	Method And Apparatus For Web-Enabled Random- Access Review Of Point Of Sale Transactional Video			61/254,916		Joshua Migdal, Matthew Farrow, Vikram Srinivasan, Malay Kundu
11/26/10	US	Method And Apparatus For Web-Enabled Random- Access Review Of Point Of Sale Transactional Video	9/17/13	8538820	12/912,473	Non-Pub Request	Joshua Migdal, Matthew Farrow, Vikram Srinivasan, Malay Kundu

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
12/4/07	US	Method And Apparatus For Random-Access Review Of Point Of Sale Transactional Video			61/005,247		Vikram Srinivasan, Malay Kundu, Joshua Migdal, Matthew Farrow
12/4/08	US	Method And Apparatus For Random-Access Review Of Point Of Sale Transactional Video	10/29/13	8570375	12/328,419	Non-Pub Request	Vikram Srinivasan, Malay Kundu, Joshua Migdal, Matthew Farrow

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
12/4/07	US	Method and Apparatus for Simultaneous Observation of Events across Multiple Networks			61/005,341		Malay Kundu, Joshua Migdal, Vikram Srinivasan, Matthew Farrow
12/4/08	US	Anonymization and synchronization based on use of protected content			12/328,585	Non-Pub Request	Malay Kundu, Joshua Migdal, Vikram Srinivasan, Matthew Farrow
1/11/10	US	Correlating Detected Events With Image Data	6/11/13	8462212	12/685,517	Non-Pub Request	Malay Kundu, Joshua Migdal, Vikram Srinivasan, Matthew Farrow

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
1/7/14	US	Method And Apparatus For Detecting Ticket Switching Using Cameras Situated Within Barcode Scanners			61/924,679		Joshua Migdal, Malay Kundu
1/7/15	US	Fraudulent Activity Detection at a Barcode Scanner by Verifying Visual Signatures	1/16/18	9870565	14/591,883	201501937 80	Joshua Migdal, Malay Kundu
1/14/18	US	Fraudulent Activity Detection at a Barcode Scanner by Verifying Visual Signatures			15/871,053	201801375 17	Joshua Migdal, Malay Kundu

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
5/3/12	US	Theft-Detection and System for Retail Establishments			61/642,296		Malay Kundu, Joshua Migdal
5/4/12	US	Scan-Avoidance Detection System for Mobile & Fixed Self-Checkouts			61/642,740		Malay Kundu, Joshua Migdal

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
5/3/13	US	Scan-Avoidance Detection System for Mobile & Fixed Self-Checkouts	2/13/18	9892438	13/886,643	Non-Pub Request	Malay Kundu, Joshua Migdal
2/12/18	US	Notification System and Methods for use in Retail Environments			15/894,006	20180165733	Malay Kundu, Joshua Migdal

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
9/18/16	US	Self-Checkout Helper for Preventing Non-Scan Loss			62/396,203		Matthew Farrow, Malay Kundu, Joshua Migdal, Christopher Wible
9/18/2017 (next biz day)	US	Non-Scan Loss Verification at Self-Checkout Terminal			15/708,044	20180096567	Matthew Farrow, Christopher Wible, JR., Malay Kundu, Joshua Migdal

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
9/16/16	US	Mechanism for Video Review at a Self-Checkout Terminal			62/396,073		Joshua Migdal, Christopher Wible, Malay Kundu
9/18/17	US	Non-Scan Loss Verification at Self-Checkout Terminal			15/708,037	20180084227	Joshua Migdal, Christopher Wible, JR., Malay Kundu

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
6/28/17	US	Retransmission of Environmental Indications at a Checkout Terminal for Loss Prevention			62/526,335		
6/28/18	US	Retransmission of Environmental Indications at a Checkout Terminal for Loss Prevention			16/022,593	May be published 12/28/19	

Date Filed	Country	Title	Issued	Patent No.	Appln No.	Pub No.	Inventors
6/5/18	US	System and Method for Loss Prevention at a Self-Checkout Scanner Level			62/681,049		