

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6772643

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED	12/17/2019
RECEIVING PARTY DATA		
Name:	TECHTRONIC FLOOR CARE TECHNOLOGY LIMITED	
Street Address:	P.O. BOX 957, OFFSHORE INCORPORATIONS CENTRE	
Internal Address:	ROAD TOWN	
City:	TORTOLA	
State/Country:	VIRGIN ISLANDS, BRITISH	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	29795817
CORRESPONDENCE DATA		
Fax Number:	(414)277-0656	
<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:	414-271-6560	
Email:	mkeipdocket@michaelbest.com	
Correspondent Name:	MICHAEL BEST & FRIEDRICH LLP	
Address Line 1:	790 N. WATER STREET	
Address Line 2:	SUITE 2500	
Address Line 4:	MILWAUKEE, WISCONSIN 53202-4108	
ATTORNEY DOCKET NUMBER:	025818-1453-US02	
NAME OF SUBMITTER:	JODI ANDERSON	
SIGNATURE:	/jodi anderson/	
DATE SIGNED:	06/21/2021	
Total Attachments: 31		
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TTI MCO PATENT ASSIGNMENT AGREEMENT WITH TFCTL

THIS TTI MCO PATENT ASSIGNMENT AGREEMENT WITH TFCTL ("Assignment Agreement"), having an Effective Date being the date this agreement has been properly executed by the parties, is by and between

(1) TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, a company organized under the laws of Macau, hereinafter Assignor, and

(2) TECHTRONIC FLOOR CARE TECHNOLOGY LIMITED, a company organized under the laws of the British Virgin Islands, hereinafter Assignee,

WHEREAS, Assignor has rights in and to the Patents and Patent Applications listed in the attached Schedule of Patents and Patent Applications (hereinafter the Patents and Patent Applications) by assignment and intercompany agreements, and pursuant to prior agreement has agreed to assign its rights and legal title to the Patents and Patent Applications to Assignee as of May 17, 2019,

AND WHEREAS, Assignee is desirous of acquiring Assignor's right and legal title in and to the Patents and Patent Applications,

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and by these presents does Assignor hereby distribute, assign, transfer and set over, unto Assignee, its successors and assigns, and Assignee hereby accepts, all of Assignor's right, title and interest in and to the Patents and Patent Applications including: all inventions disclosed therein; all patents that issue from the Patent Applications; any division, continuation or continuation-in-part, or any reissue, reexamination or extension of any of the Patents and Patent Applications and all inventions disclosed therein; the right to claim priority to any of the foregoing; all rights of Assignor under any licenses, agreements or contract rights with respect to any of the Patents and Patent Applications (hereinafter the Licenses), including all royalties, fees, income, payments and other proceeds now or hereafter due or payable to Assignor under or in connection with any of the Licenses; and the right to take all such proceedings for the recovery of damages or other forms of relief in respect of all claims and causes of action, and to receive any recovery therefrom, with respect to any of the Patents and Patent Applications and Licenses related thereto, whether accruing before, on or after the Effective Date, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which the Patents and Patent Applications may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made,

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that

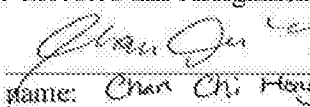
have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the Patents and Patent Applications, and that the same are unencumbered and that Assignor has good and full right and lawful authority to distribute and convey the same in the manner herein set forth,

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: for the procurement, maintenance, enforcement and defense of the Patents and Patent Applications; to effect, record, perfect or enforce the transfers set forth in this Assignment Agreement; to evidence that any proceeding in connection with the Patents and Patent Applications, including but not limited to interference proceedings, is lawful and desirable; or, to evidence that any division, continuation or continuation-in-part, or any reissue, reexamination or extension of any one of the Patents and Patent Applications, is lawful and desirable.

The rights and obligations of the parties under this Assignment Agreement shall be governed in all respects by the laws of the state of New York, United States exclusively, without regard to conflict of law provisions.

IN WITNESS WHEREOF the parties have executed this Assignment Agreement.

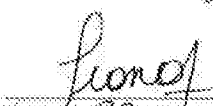
EXECUTED for and on behalf of Assignor)
by its authorised representative)


name: Chan Chi Hong
title: Director

on:

) 17 day of December, 2019

in the presence of:


name: PRON Emmanuel
occupation: VP Deputy General Counsel

AND EXECUTED for and on behalf of)
Assignee by its authorised representative)

) name:
) title:

on:

) _____ day of _____, 2019

in the presence of:

) _____
) name:
) occupation:

have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the Patents and Patent Applications, and that the same are unencumbered and that Assignor has good and full right and lawful authority to distribute and convey the same in the manner herein set forth,

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: for the procurement, maintenance, enforcement and defense of the Patents and Patent Applications; to effect, record, perfect or enforce the transfers set forth in this Assignment Agreement; to evidence that any proceeding in connection with the Patents and Patent Applications, including but not limited to interference proceedings, is lawful and desirable; or, to evidence that any division, continuation or continuation-in-part, or any reissue, reexamination or extension of any one of the Patents and Patent Applications, is lawful and desirable.

The rights and obligations of the parties under this Assignment Agreement shall be governed in all respects by the laws of the state of New York, United States exclusively, without regard to conflict of law provisions.

IN WITNESS WHEREOF the parties have executed this Assignment Agreement.

EXECUTED for and on behalf of Assignor)
by its authorised representative)

name:
title:

on:

) _____ day of _____, 2019

in the presence of:

) _____
) name:

) occupation:

AND EXECUTED for and on behalf of)
Assignee by its authorised representative)

) _____
) name: Brian C. Powell
) title: Director

on:

) 21 day of January, 2019²⁰

in the presence of:

) Kristy Edwards
) name: Kristy Edwards
) occupation: Paralegal

Schedule of Patents and Patent Applications

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
15US-11-557.1 - AU case	Australia	201611423	15-Mar-2016	201611423	27-Apr-2016	Handheld Vacuum Cleaner
HCG 0493 DAU1	Australia	201611880	5-Apr-2016	201611880	15-Apr-2016	Vacuum Cleaner
HCG 0493 DAU2	Australia	201611881	5-Apr-2016	201611881	22-Apr-2016	Vacuum Cleaner
HCG 0493 DAU3	Australia	201611882	5-Apr-2016	201611882	15-Apr-2016	Vacuum Cleaner
HCG 0512 DAU	Australia	201612160	22-Apr-2016	201612160	1-Jun-2016	Vacuum Cleaner
HCG 0512 DAU2	Australia	201612162	22-Apr-2016	201612162	1-Jun-2016	Vacuum Cleaner
HCG 0488 DAU3	Australia	201612163	22-Apr-2016	201612163	1-Jun-2016	Vacuum Cleaner
HCG 0488 DAU4	Australia	201612164	22-Apr-2016	201612164	1-Jun-2016	Vacuum Cleaner
HCG 0493 DAU4	Australia	201614177	2-Aug-2016	201614177	5-Aug-2016	Vacuum Cleaner
FDD 0019 D AU00	Australia	201614601	23-Aug-2016	201614601	7-Sep-2016	HANDHELD VACUUM CLEANER
FDD 0016 D AU00	Australia	201614603	23-Aug-2016	201614603	7-Sep-2016	HANDHELD VACUUM CLEANER
HCG 0493 DAU5A	Australia	201616681	30-Nov-2016	201616681	30-Nov-2016	Vacuum Cleaner
HCG 0493 DAU5B	Australia	201616682	30-Nov-2016	201616682	3-Jan-2017	Vacuum Cleaner
HCG 0602 DAU	Australia	201710096	11-Jan-2017	201710096	31-Jan-2017	Vacuum Cleaner
FHV 0359 DAU3	Australia	201711164	27-Feb-2017	201711164	28-Mar-2017	HANDHELD VACUUM CLEANER
FHV 0359 DAU4	Australia	201711165	27-Feb-2017	201711165	28-Mar-2017	HANDHELD VACUUM CLEANER
FOR 0571 DAU01	Australia	201712063	7-Apr-2017	201712063	26-Apr-2017	HANDHELD VACUUM CLEANER
FOR 0571 DAU02	Australia	201712064	7-Apr-2017	201712064	27-Apr-2017	HANDHELD VACUUM CLEANER
FHV 0702 D-1 AU00	Australia	201713160	26-May-2017	201713160	13-Jun-2017	VACUUM CLEANER
FHV 0702 D-2 AU00	Australia	201713161	26-May-2017	201713161	13-Jun-2017	VACUUM CLEANER

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV 0704 D-4 AU00	Australia	201713401	7-Jun-2017	201713401	7-Jun-2017	BATTERY CHARGER
FHV 0704 D-1 AU00	Australia	201713402	7-Jun-2017	201713402	19-Jun-2017	BATTERY
FHV 0704 D-1 AU00	Australia	201713403	7-Jun-2017	201713403	19-Jun-2017	BATTERY
FOR 0020 DAU00 (Project ORECK UPRIGHT)	Australia	201717015	17-Nov-2017	201717015	19-Dec-2017	VACUUM CLEANER
FHV0702D-03 AU01	Australia	201717539	8-Dec-2017	201717539	4-Jan-2018	VACUUM CLEANER
FHV 0725D-1 AU00	Australia	201810103	9-Jan-2018	201810103	8-Feb-2018	HANDHELD VACUUM CLEANER
FHV 0725D-1 AU01	Australia	201810104	9-Jan-2018	201810104	8-Feb-2018	HANDHELD VACUUM CLEANER
FHV 0725D-1 AU02	Australia	201810105	9-Jan-2018	201810105	8-Feb-2018	HANDHELD VACUUM CLEANER
FHV 0725D-1 AU03	Australia	201810106	9-Jan-2018	201810106	8-Feb-2018	HANDHELD VACUUM CLEANER
HCG 0638 DAU1	Australia	201810811	12-Feb-2018	201810811	8-Mar-2018	Floor Tool
HCG 0639 DAU1	Australia	201810814	12-Feb-2018	201810814	8-Mar-2018	Floor Tool
HCG 0602 DAU4	Australia	201812075	9-Apr-2018	201812075	2-May-2018	Vacuum Cleaner
HCG 0602 DAU2	Australia	201812121	11-Apr-2018	201812121	10-May-2018	Wall Mount
HCG 0602 DAU3	Australia	201812123	11-Apr-2018	201812123	7-May-2018	Handheld Vacuum Cleaner
FOR 0571 DAU3	Australia	201812604	2-May-2018	201812604	3-Aug-2018	FOOT FOR A VACUUM CLEANER
FOR 0571 DAU3-2	Australia	201812607	2-May-2018	201812607	1-Aug-2018	FOOT FOR A VACUUM CLEANER
FOR 0571 DAU4	Australia	201812645	3-May-2018	201812645	31-Jul-2018	HOUSING FOR A VACUUM FILTER
025818-1395-AU01	Australia	201814712	8-Aug-2018	201814712	9-Nov-2018	FLOOR CLEANER
FHV 0750 DAU1	Australia	201816828	15-Nov-2018	201816828	12-Dec-2018	BATTERY
FHV 0750 DAU1-2	Australia	201816830	15-Nov-2018	201816830	12-Dec-2018	BATTERY
FHV 0750 DAU2	Australia	201816831	15-Nov-2018	201816831	11-Dec-2018	BATTERY

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV 0750 DAU2-2	Australia	201816835	15-Nov-2018	201816835	12-Dec-2018	BATTERY
FHV 0750 DAU3	Australia	201816945	20-Nov-2018	201816945	18-Dec-2018	BATTERY CHARGER
FHV 0750 DAU3-2	Australia	201816949	20-Nov-2018	201816949	20-Dec-2018	BATTERY CHARGER
FHV 0750 DAU3-3	Australia	201816965	20-Nov-2018	201816965	11-Jan-2019	Battery Charger
FHV 0748 DAU	Australia	201817063	26-Nov-2018	201817063	5-Mar-2019	PORTABLE SPOT CLEANER
HCG 0602 DAU5	Australia	201910639	6-Feb-2019	201910639	17-Mar-2019	Floor Tool
FHV 0748 DAU 2	Australia	201911121	1-Mar-2019	201911121	5-Apr-2019	PORTABLE SPOT CLEANER
MOD15AU-D372	Australia	2016100448	22-Apr-2016	2016100448	12-May-2016	Vacuum Cleaning Tool
MOD14AU-E-548 I HYENA	Australia	2016100574	12-May-2016	2016100574	26-May-2016	Battery Charger
MOD 14AU-E-546 I	Australia	2016100590	16-May-2016	2016100590	2-Jun-2016	Battery
15US-H-586	Australia	2016302353	5-Aug-2016	2016302353	8-Aug-2019	VACUUM CLEANER AND CARRIER ASSEMBLY
14US-E-546	Australia	2016315858	2-Sep-2016	2016315858	26-Sep-2019	POWER TOOL, BATTERY PACK, AND COMBINATION, AND METHOD OF CONTROLLING THE SAME
14US-W-544 PAU	Australia	2016329041	29-Mar-2017	2016329041	28-Feb-2019	Extractor Cleaning Machine
FOR 571	Australia	2017250817	15-Nov-2018	*	*	HANDHELD VACUUM CLEANER (HAND VAC WITH SEALED SYSTEM)
FOR 571 P2 AU00	Australia	2017250824	12-Sep-2018	*	*	VACUUM FILTER
HCG 0493 PAU2	Australia	2017341474	10-May-2019	*	*	SURFACE CLEANING APPARATUS
HCG 0493 PAU10	Australia	2017341475	8-May-2019	*	*	SURFACE CLEANING APPARATUS
HCG 0493 PAU12	Australia	2017343001	8-May-2019	*	*	SURFACE CLEANING APPARATUS
HCG 0493 PAU09	Australia	2017343002	8-May-2019	*	*	CYCLONIC SEPARATION DEVICE
HCG 0493 PAU13	Australia	2017343835	8-May-2019	*	*	A TOOL FOR A SURFACE CLEANING APPARATUS
HCG 0467 DAU3 (Hurricane Platform 4)	Australia	10850/2016	17-Feb-2016	367465	2-Mar-2016	Vacuum Cleaner

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
HCG 0407 DAU3	Australia	16087/2015	13-Nov-2015	365673	4-Dec-2015	Steam Cleaner
HCG 0407 DAU4	Australia	16089/2015	13-Nov-2015	365659	4-Dec-2015	Steam Cleaner
MOD15US-D-572	China	201520326107.5	20-May-2015	201520326107.5	28-Oct-2015	Vacuum cleaning tool
MOD 14CN-E-546.1	China	201530346097.1	26-May-2015	2.0152E+11	4-Nov-2015	Battery
MOD14CN-E-548.1 HYENA	China	201520355397.6	28-May-2015	2.0152E+11	4-Nov-2015	Battery Charger
HCG 0490 PCN-UJM	China	201520752263.8	24-Sep-2015	201520752263.8	9-Mar-2016	AIR PURIFIER
DES 15 CN-O-549.1 - project MONROE	China	201530060534.9	13-Mar-2015	201530060534.9	21-Oct-2015	HANDLE FOR VACUUM CLEANER
DES 15 CN-O-549.2 -549.3 -549.4 - Project MONROE	China	201530060810.1	13-Mar-2015	201530060810.1	11-Nov-2015	NOZZLE BODY FOR VACUUM CLEANER
DES 15 CN-B-565.1 (Project ORACLE)	China	201530075372.6	26-Mar-2015	201530075372.6	21-Oct-2015	HANDHELD VACUUM CLEANER
HCG 0437 DCN8	China	201530138113.3	12-May-2015	201530138113.3	18-Nov-2015	STEAM CLEANER ACCESSORY
HCG 0437 DCN3	China	201530138245.6	12-May-2015	201530138245.6	20-Jan-2016	Accessory for Connecting a Cleaning Implement to a Steam Cleaner
HCG 0437 DCN4	China	201530138401.9	12-May-2015	201530138401.9	18-Nov-2015	STEAM CLEANER ACCESSORY
HCG 0437 DCN7	China	201530138419.9	12-May-2015	201530138419.9	18-Nov-2015	STEAM CLEANER ACCESSORY
HCG 0437 DCN5	China	201530138448.5	12-May-2015	201530138448.5	18-Nov-2015	STEAM CLEANER ACCESSORY
HCG 0437 DCN6	China	201530138507.9	12-May-2015	201530138507.9	18-Nov-2015	STEAM CLEANER ACCESSORY
DES 14 CN-C-465.3 (Atlas cordless)	China	201530145414.9	15-May-2015	201530145414.9	9-Dec-2015	Vacuum Cleaner
DES 14 CN-C-465.2 (Atlas)	China	201530145480.6	15-May-2015	201530145480.6	9-Dec-2015	Vacuum Cleaner
HCG 0407 DCN4	China	201530150104.6	19-May-2015	201530150104.6	25-Nov-2015	Steam Cleaner
HCG 0407 DCN3	China	201530150204.9	19-May-2015	201530150204.9	25-Nov-2015	Steam Cleaner

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
HCG 0407 DCN4b (Project Phoenix 4)	China	201530177696.0	3-Jun-2015	201530177696.0	2-Dec-2015	steam cleaner (Project Phoenix 4)
HCG 0396 DCN (Project Lightsaber)	China	201530177736.9	3-Jun-2015	201530177736.9	9-Dec-2015	Project Lightsaber - New Floorhead
HCG 0407 DCN4a (Project Phoenix 4)	China	201530177811.4	3-Jun-2015	201530177811.4	1-Jun-2016	Steam Cleaner Main Unit with Shaft (Project Phoenix 4)
HCG 0469 DCN (Project Magnesium Hardfloor Adaptor)	China	201530179563.7	4-Jun-2015	201530179563.7	21-Oct-2015	Adaptor for Use with the Floor Head/Nozzle or a Vacuum Cleaner
HCG 0444 DCN (Project Cobra)	China	201530198270.3	16-Jun-2015	201530198270.3	23-Dec-2015	Vacuum Cleaner
HCG 0461 DCN (Project Leads)	China	201530255978.8	16-Jul-2015	201530255978.8	13-Jan-2016	Vacuum Cleaner
DES 15 US-H- 544.1 (Project CASPIAN)	China	201530256842.9	16-Jul-2015	201530256842.9	3-Feb-2016	Portable Spot Cleaner
HCG 0488 DCN1 (upright)	China	201530261696.9	20-Jul-2015	201530261696.9	20-Jan-2016	Vacuum Cleaner
HCG 0488 DCN2 (hand vac)	China	201530261740.6	20-Jul-2015	201530261740.6	20-Jan-2016	Vacuum Cleaner
HCG 0437 DCN12 (Project Havok)	China	201530268824.2	23-Jul-2015	201530268824.2	3-Feb-2016	Tool for Steam Cleaner
DES 15 CN-H- 574.1 (Project KRAKEN)	China	201530293710.3	6-Aug-2015	201530293710.3	10-Feb-2016	Vacuum Cleaner
HCG 0480 DCN 1	China	201530304104.7	13-Aug-2015	201530304104.7	17-Feb-2016	Vacuum Cleaner Parts
HCG 0480 DCN 2	China	201530304170.4	13-Aug-2015	201530304170.4	9-Mar-2016	Vacuum Cleaner Parts
HCG 0467 DCN3 (Hurricane Platform 4)	China	201530312684.4	19-Aug-2015	201530312684.4	17-Feb-2016	Vacuum Cleaner
HCG 0442 DCN2 (Project Keno)	China	201530326805.0	27-Aug-2015	201530326805.0	24-Feb-2016	Cleaning Head for Pressure Washer
HCG 0490 DCN	China	201530337545.7	1-Sep-2015	201530337545.7	9-Mar-2016	Air Purifier
15US-H-557.1	China	201530360854.6	17-Sep-2015	201530360854.6	9-Mar-2016	Handheld Vacuum Cleaner

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
HCG 0493 DCN2 (Project Tiger)	China	201530396373.0	14-Oct-2015	201530396373.0	4-May-2016	Vacuum Cleaner
HCG 0493 DCN3 (Project Tiger)	China	201530396577.4	14-Oct-2015	201530396577.4	11-May-2016	Vacuum Cleaner
HCG 0511 DCN Project 40A	China	201530396651.2	14-Oct-2015	201530396651.2	4-May-2016	Vacuum Cleaner
HCG 0493 DCN1 (Project Tiger)	China	201530396799.6	14-Oct-2015	201530396799.6	23-Mar-2016	Vacuum Cleaner
HCG 0512 DCN (Project Titus)	China	201530446451.3	10-Nov-2015	201530446451.3	1-Jun-2016	Vacuum Cleaner
FDD 0091 DCN00	China	201530478062.9	25-Nov-2015	201530478062.9	29-Jun-2016	HANDHELD VACUUM CLEANER
HCG 0518 DCN (Project Tiberius)	China	201530552593.8	23-Dec-2015	201530552593.8	31-Aug-2016	Vacuum Cleaner
HCG 0511 DCN3 (Project 40A)	China	201530552764.7	23-Dec-2015	201530552764.7	3-Aug-2016	VACUUM CLEANER
HCG 0488 DCN3	China	201630004705.0	7-Jan-2016	201630004705.0	17-Aug-2016	Vacuum Cleaner
HCG 0488 DCN4 (Project Snow Leopard)	China	201630013127.7	14-Jan-2016	201630013127.7	12-Apr-2017	Vacuum Cleaner
HCG 0520 DCN (Project Samurai)	China	201630013131.3	14-Jan-2016	201630013131.3	7-Sep-2016	Floorhead
HCG 0512 DCN2 (Project Titus)	China	201630014384.2	15-Jan-2016	201630014384.2	7-Sep-2016	Vacuum Cleaner
HCG 0502 DCN (Project HandiMate W/D)	China	201630033945.3	29-Jan-2016	201630033945.3	31-Aug-2016	Handheld Cleaner
HCG 0493 DCN4	China	201630057836.5	2-Mar-2016	201630057836.5	7-Sep-2016	Vacuum Cleaner
FDD 0016 D CN00 (Project Lucerne)	China	201630067247.5	10-Mar-2016	201630067247.5	28-Sep-2016	HANDHELD VACUUM CLEANER
FDD 0563 D CN02 (project Leadwood)	China	201630176082.5	12-May-2016	201630176082.5	23-Nov-2016	Handheld Vacuum Cleaner
FDD 0564 D CN01 (Project Acacia)	China	201630176085.9	12-May-2016	201630176085.9	23-Nov-2016	Vacuum Cleaner
FDD 0565 D CN01	China	201630176086.3	12-May-2016	201630176086.3	23-Nov-2016	Vacuum Cleaner

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FDD 0564 D CN02	China	201630176234.1	12-May-2016	201630176234.1	23-Nov-2016	Handheld Vacuum Cleaner
HCG 0553 DCN (Project Odin)	China	201630201054.4	25-May-2016	201630201054.4	28-Dec-2016	Vacuum Cleaner
FHV 0581 D CN01 (GLADIATOR REFRESH project)	China	201630235476.3	13-Jun-2016	201630235476.3	7-Dec-2016	EXTRACTOR CARPET CLEANER
FHV 0580 D CN01 (HOOVER STEERABLE UPRIGHT project)	China	201630237484.1	13-Jun-2016	201630237484.1	8-Feb-2017	Vacuum Cleaner
FHV 0549 D CN02 (HOOVER STEERABLE LIFTOFF project)	China	201630237519.1	13-Jun-2016	201630237519.1	3-May-2017	Nozzle for Vacuum Cleaner
HCG 0555 DCN	China	201630308807.1	7-Jul-2016	201630308807.1	8-Feb-2017	Vacuum Cleaner
HCG 0493 DCN5A (Project Tiger)	China	201630322025.3	14-Jul-2016	201630322025.3	28-Dec-2016	Vacuum Cleaner
FHV 0587 D CN01	China	201630348406.9	27-Jul-2016	201630348406.9	1-Mar-2017	ACCESSORY TOOL FOR VACUUM CLEANER
HCG 0541 DCN3 (Project Sabretooth - Design 2100)	China	201630382638.6	11-Aug-2016	201630382638.6	15-Mar-2017	Nozzle for a Cleaning Appliance
HCG 0541 DCN4 (Project Sabretooth - Design 3000)	China	201630382671.9	11-Aug-2016	201630382671.9	15-Mar-2017	Nozzle for a Cleaning Appliance
HCG 0541 DCN1 (Project Sabretooth - Design 1000)	China	201630382675.7	11-Aug-2016	201630382675.7	8-Mar-2017	Nozzle for a Cleaning Appliance
HCG 0541 DCN5 (Project Sabretooth - Design 4000)	China	201630382854.0	11-Aug-2016	201630382854.0	8-Mar-2017	Joint for a Cleaning Appliance
HCG 0541 DCN2 (Project Sabretooth - Design 2000)	China	201630382987.8	11-Aug-2016	201630382987.8	15-Mar-2017	Nozzle for a Cleaning Appliance

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
HCG 0541 DCN6 (Project Sabretooth - Design 5000)	China	201630383203.3	11-Aug-2016	201630383203.3	8-Mar-2017	Coupler for a Cleaning Appliance
FHV 0559 D CN02 (project VERSA)	China	201630427729.7	26-Aug-2016	201630427729.7	17-May-2017	Handheld Vacuum Cleaner
FHV 0559 D CN01 (project VERSA)	China	201630428523.6	26-Aug-2016	201630428523.6	13-Jun-2017	Handheld Vacuum Cleaner
HCG 0606 DCN (Project Azrael)	China	201630484554.3	27-Sep-2016	201630484554.3	16-Jun-2017	Nozzle for Vacuum Cleaner
FOR 0571 DCN01	China	201630504106.5	14-Oct-2016	201630504106.5	17-May-2017	HANDHELD VACUUM CLEANER
FOR 0571 DCN02	China	201630504123.9	14-Oct-2016	201630504123.9	31-May-2017	HANDHELD VACUUM CLEANER
FHV 0559 D-4 CN00	China	201630563988.2	21-Nov-2016	201630563988.2	7-Jul-2017	HANDHELD VACUUM CLEANER
FHV 0559 D-3 CN00	China	201630564174.0	21-Nov-2016	201630564174.0	7-Jul-2017	HANDHELD VACUUM CLEANER
HCG 0613 DCN	China	201630584786.6	30-Nov-2016	201630584786.6	17-May-2017	Vacuum Cleaner
FHV 0702 D-2 CN00 (project POWER)	China	201630585330.1	30-Nov-2016	201630585330.1	25-Jul-2017	VACUUM CLEANER
FHV 0704 D-4 CN00	China	201630623474.1	16-Dec-2016	201630623474.1	20-Oct-2017	BATTERY CHARGER
FHV 0704 D-1 & 2 CN00	China	201630624590.5	16-Dec-2016	201630624590.5	29-Sep-2017	BATTERY
025818-8707-CN	China	201680050971.4	2-Mar-2018	-	-	Power Tool, Battery Pack, and Combination, and Method of Controlling the Same
025818-8729-CN	China	201680055766.7	23-Mar-2018	-	-	Vacuum Cleaner and Carrier Assembly
025818-8682-CN01	China	201680065912.4	10-May-2018	-	-	Extractor Cleaning Machine
HCG 0493 PCN1	China	201710952841.6	13-Oct-2017	-	-	CYCLONIC SEPARATION DEVICE
KAA 0027 PCN	China	201711159587.0	20-Nov-2017	-	-	HANDHELD KITCHEN APPLIANCE ASSEMBLY
HCG 0615 DCN2 Project Calman	China	201730031691.6	3-Feb-2017	201730031691.6	22-Sep-2017	Vacuum Cleaner

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV 0700 D-1 CN00 (PRO2018 EXTRACTOR)	China	201730093270.6	27-Mar-2017	201730093270.6	5-Jan-2018	Carpet Washer
HCG 0467 DCN5	China	201730117547.4	11-Apr-2017	201730117547.4	15-Dec-2017	Vacuum Cleaner
HCG 0493 DCN6 (Project Tiger 40V)	China	201730159641.6	4-May-2017	201730159641.6	17-Nov-2017	Vacuum Cleaner
FOR 0020 DCN00 (Project ORECK UPRIGHT)	China	201730183126.1	17-May-2017	201730183126.1	9-Jan-2018	VACUUM CLEANER
FHV 0707 DCN00	China	201730183763.9	17-May-2017	201730183763.9	2-Jan-2018	ROBOT VACUUM CLEANER
FHV 0700 D-2 CN00 (PRO2018 EXTRACTOR)	China	201730223549.1	5-Jun-2017	201730223549.1	9-Mar-2018	Floor Cleaner
FDD0722D-1 CN00 (SKYHAWK)	China	201730339152.9	28-Jul-2017	201730339152.9	1-May-2018	VACUUM CLEANER
FHV 0725D-1 CN00 (ATHENA)	China	201730339648.6	28-Jul-2017	201730339648.6	22-May-2018	HANDHELD VACUUM CLEANER
HCG 0638DCN1 Aslan MMT	China	201730414992.7	4-Sep-2017	201730414992.7	5-Jun-2018	Floor Tool
HCG 0639DCN1 Aslan HFT	China	201730415015.9	4-Sep-2017	201730415015.9	13-Apr-2018	Floor Tool
HCG 0602 DCN4 Project Aslan	China	201730487316.2	13-Oct-2017	201730487316.2	7-Sep-2018	Vacuum Cleaner
HCG 0602 DCN2	China	201730487719.7	13-Oct-2017	201730487719.7	9-Oct-2018	Wall Mount
FOR 0571 D-3 CN00 (Project ORECK)	China	201730537546.5	3-Nov-2017	201730537546.5	15-Jan-2018	FOOT FOR A VACUUM CLEANER
FOR 0571 D-4 CN00 (Project ORECK)	China	201730612229.5	5-Dec-2017	201730612229.5	9-Oct-2018	HOUSING FOR A FILTER
FHV 0733D CN00 (project GRAVITY)	China	201730613130.7	5-Dec-2017	201730613130.7	16-Oct-2018	VACUUM CLEANER
206190-9243-CN01	China	201780037440.6	14-Dec-2018	-	-	Vacuum Cleaner And Filter For A Vacuum Cleaner

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
206190-9261-CN01	China	201780037561.0	17-Dec-2018	-	-	VACUUM FILTER
206190-9260-CN01	China	201780037562.5	17-Dec-2018	-	-	HANDHELD VACUUM CLEANER
025818-1047-CN04	China	201780064952.1	19-Apr-2019	-	-	HANDHELD VACUUM CLEANER
025818-1048-CN01	China	201780066147.2	25-Apr-2019	-	-	HANDHELD VACUUM CLEANER
025818-1049-CN01	China	201780066162.7	25-Apr-2019	-	-	HANDHELD VACUUM CLEANER
025818-1051-CN01	China	201780066351.4	25-Apr-2019	-	-	HANDHELD VACUUM CLEANER
FHV 0703D CN00 (project ULTRASUM)	China	201830058857.8	7-Feb-2018	201830058857.8	10-Jul-2018	VACUUM CLEANER
HCG 0639 DCN2	China	201830188359.5	28-Apr-2018	201830188359.5	27-Nov-2018	Floor Tool
FDD 0747 D-2	China	201830214050.9	11-May-2018	201830214050.9	4-Jan-2019	HANDHELD VACUUM CLEANER
FHV0750D-1, FHV0750D-2	China	201830235701.2	21-May-2018	201830235701.2	12-Apr-2019	BATTERY
FHV0750D-3	China	201830236048.1	21-May-2018	201830236048.1	15-Feb-2019	BATTERY CHARGER
FHV 0748D CN00	China	201830270757.1	1-Jun-2018	201830270757.1	11-Jan-2019	PORTABLE SPOT CLEANER
HCG 0638 DCN2	China	201830419529.6	1-Aug-2018	201830419529.6	22-Jan-2019	Floor Tool
HCG 0602 DCN5	China	201830433382.6	7-Aug-2018	201830433382.6	15-Feb-2019	Floor Tool
FHV0763D-6	China	201830522370.0	17-Sep-2018	CN305074768S	22-Mar-2019	BOTTLE (1)
FHV0763D-12	China	201830522989.1	17-Sep-2018	CN305074769S	22-Mar-2019	BOTTLE (5)
FHV0763D-11	China	201830522990.4	17-Sep-2018	CN305074770S	22-Mar-2019	BOTTLE (4)
FHV0763D-9	China	201830523070.4	17-Sep-2018	CN305074771S	22-Mar-2019	BOTTLE (3)
FHV0763D-7	China	201830527239.3	17-Sep-2018	CN305074776S	22-Mar-2019	BOTTLE (2)
FHV 0750 DCN3-2	China	201830732331.3	17-Dec-2018	201830732331.3	7-Jun-2019	Battery Charger
FHV0763D-8	China	201930002574.6	3-Jan-2019			Bottle Cap
FHV0744D	China	201930069749.5	20-Feb-2019			PORTABLE BLOWER
FHV0764D	China	201930069872.7	20-Feb-2019			PORTABLE LIGHT
FHV0745D-2	China	201930069873.1	20-Feb-2019			UTILITY VACUUM CLEANER

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV0743D	China	201930070004.0	20-Feb-2019			PORTABLE BLOWER
FHV0742D	China	201930070005.5	20-Feb-2019			HANDHELD VACUUM CLEANER
FHV0745D-1	China	201930081186.1	28-Feb-2019			UTILITY VACUUM CLEANER
FHV0769D	China	201930182960.8	19-Apr-2019			CARPET EXTRACTOR
DES 15 CN-D-555.1 (Project FLIP OUT)	China	201530142316.X	14-May-2015	201530142316.X	25-Nov-2015	HANDHELD VACUUM CLEANER
HCG 0467 DCN2 (Hurricane Platform 3)	China	201530288646.X	4-Aug-2015	201530288646.X	17-Feb-2016	Vacuum Cleaner
DES 15 CN-H-574.2 (Project KRAKEN)	China	201530293651.X	6-Aug-2015	201530293651.X	10-Feb-2016	Vacuum Cleaner
FDD 0019 D CN00 (Project Bowcaster)	China	201630067061.X	10-Mar-2016	201630067061.X	28-Sep-2016	HANDHELD VACUUM CLEANER
FHV 0549 D CN01 (HOOVER STEERABLE LIFTOFF project)	China	201630237505.X	13-Jun-2016	201630237505.X	28-Dec-2016	Vacuum Cleaner
HCG 0431 DCN (Project Carlisle)	China	201630310237.X	8-Jul-2016	201630310237.X	8-Mar-2017	Vacuum Cleaner
HCG 0493 DCN5B (Project Tiger)	China	201630321935.X	14-Jul-2016	201630321935.X	28-Dec-2016	Vacuum Cleaner
HCG 0576 DCN	China	201630339017.X	22-Jul-2016	201630339017.X	28-Dec-2016	Separator
HCG 0553 DCN2 (Project Odin)	China	201630463869.X	7-Sep-2016	201630463869.X	15-Mar-2017	Vacuum Cleaner
HCG 0602 DCN (Project Aslan)	China	201630467888.X	12-Sep-2016	201630467888.X	31-May-2017	Vacuum Cleaner
FHV 0702 D-1 CN00 (project POWER)	China	201630584796.X	30-Nov-2016	201630584796.X	25-Jul-2017	VACUUM CLEANER
HCG 0493 PCN3	China	20171095992.X	16-Oct-2017		-	Wand cross-section and ducting (trapezoidal) for electrical wiring

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV0580P-11 CN01	China	201710997069.X	20-Oct-2017			VACUUM CLEANER AND METHOD OF CONTROLLING A MOTOR FOR A BRUSH OF THE VACUUM CLEANER
FHV 0709 DCN00 (Project COMPACT EXTRACTOR)	China	201750183433.X	17-May-2017	201750183433.X	30-Jan-2018	FLOOR CLEANER
HCG 0002 DCN3 Project Asian	China	201730487456.X	13-Oct-2017	201730487456.X	22-May-2018	Handheld Vacuum Cleaner
FOR 0571 D-3 CN00 (Project ORECK)	China	201730537120.X	3-Nov-2017	201730537120.X	15-Jun-2018	FOOT FOR A VACUUM CLEANER
025818-1148-CN01	China	201730636918.X	14-Dec-2017	201730636918.X	16-Oct-2018	Vacuum Cleaner
FHV 0737D CN00	China	201830064277.X	9-Feb-2018	201830064277.X	24-Jul-2018	FLOOR CLEANER
FDD 0747 D-1	China	201830213898.X	11-May-2018	201830213898.X	4-Jan-2019	VACUUM CLEANER
FHV 0737D-3	China	201830224827.X	16-May-2018	201830224827.X	1-Mar-2019	Floor Cleaner
FHV 0750 DCN3-2	China		20-Nov-2018			BATTERY CHARGER
14US-E-346	European Patent	16770119.2	2-Sep-2016			POWER TOOL, BATTERY PACK, AND COMBINATION, AND METHOD OF CONTROLLING THE SAME
FHV0010P-01 EP01	European Patent	16778560.9	20-Sep-2016	3373790	12-Jun-2019	EXTRACTOR CLEANING MACHINE
KAA 0027 PEP	European Patent	17204725.0	30-Nov-2017	-	-	HANDHELD KITCHEN APPLIANCE ASSEMBLY
FOR0571P-02 EP01	European Patent	17721234.7	14-Apr-2017			VACUUM FILTER
FOR0571P-01 EP01	European Patent	17732618.8	14-Apr-2017			HANDHELD VACUUM CLEANER
FOR0572	European Patent	17733101.4	14-Apr-2017			VACUUM CLEANER AND FILTER FOR A VACUUM CLEANER
HCG 0493 PEP2	European Patent	17787554.9	12-Oct-2017			Project Tiger - Motor exhaust - either side of motor
HCG 0493 PEP10	European Patent	17787555.6	12-Oct-2017			Project Tiger - Axis of dirt bin intersects axis of wand

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
HCG 0493 PEP13	European Patent	17787556.4	12-Oct-2017			Project Tiger - Floor head - cable routing through hinging joint to wand
HCG 0493 PEP11	European Patent	17787557.2	12-Oct-2017			Project Tiger - Motor axle/axis perpendicular and offset from dirt bin axis (motor position relative to bin, also)
HCG 0493 PEP12	European Patent	17787558.0	12-Oct-2017			Project Tiger - Removable pre-motor ducting - removable to gain access to pre-motor filter, Rotational locking which connected airflow path from separator to motor
HCG 0493 PEP9	European Patent	17787559.8	12-Oct-2017			Project Tiger - Helix on internal surface of dirt bin
PHV0559P-19	European Patent	17842549.2	27-Feb-2017			VERTICAL DUST CUP IN OPERATING POSITION (VERSA)
PHV0559P-18	European Patent	17842550.0	27-Feb-2017			HANDHELD VACUUM CLEANER
PHV0559P-20	European Patent	17842551.8	27-Feb-2017			BATTERY GRASPABLE ON BOTH SIDES (VERSA)
PHV0559P-22	European Patent	17842552.6	27-Feb-2017			VERTICAL EXPANSION OF INLET TUBE TO CYCLONE (VERSA)
QIM 0003 PEP	European Patent	18169191.6	25-Apr-2018			ORAL CARE APPLIANCE AND ITS CARE HEAD
PHV0580P-11	European Patent	18200242.8	12-Oct-2018			VACUUM CLEANER AND METHOD OF CONTROLLING A MOTOR FOR A BRUSH OF THE VACUUM CLEANER
HCG 0437 DEM	European Union	002829176	20-Oct-2015			Havok (Scrib pad)
HCG 0555 DEP	European Union	003569516	4-Jan-2017			Vacuum cleaner HCG 0555 DEP
HCG 0437 DEM	European Union	002829176-0001	20-Oct-2015			Havok (Adaptor)
HCG 0437 DEM	European Union	002829176-0002	20-Oct-2015			Havok (Scrib brush)
HCG 0437 DEM	European Union	002829176-0003	20-Oct-2015			Havok (Window tool)
HCG 0437 DEM	European Union	002829176-0004	20-Oct-2015			Havok (Detail tool)

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
HCG 0437 DEM	European Union	002829176-0006	20-Oct-2015			Havok (Precision tool)
HCG 0437 DEM	European Union	002829176-0007	20-Oct-2015			Havok (2 finger baton)
HCG 0407 DCN3/4	European Union	002847426-0001	4-Nov-2015			Project Phoenix
HCG 0396 DCN	European Union	002856120-0001	11-Nov-2015			Project Lightsaber - Floorhead
HCG 0467 DCN2,3,4	European Union	002945410-0001	14-Jan-2016			Hurricane platforms 2,3 and 4
HCG 0467 DCN2,3,4	European Union	002945410-0002	14-Jan-2016			Hurricane platforms 2,3 and 4
HCG 0480	European Union	002978908-0001	9-Feb-2016			Project Lascaux separator and dirt bin (40A)
HCG 0512DEP2	European Union	003122324-0001	11-May-2016			Project Titus - Vacuum cleaner
HCG 0541 DEP	European Union	003357169-0001	30-Aug-2016			Sabretooth tool - HCG 0541 DEP
HCG 0493 DEP5a	European Union	003568369-0001	4-Jan-2017			Vacuum cleaner HCG 0493 DEP5a
HCG 0493 DEP5b	European Union	003568369-0002	4-Jan-2017			Vacuum cleaner HCG 0493 DEP5b
HCG 0541 DEP	European Union	003729540-0001	30-Jan-2017			Project Sabretooth - designs 1000, 2000, 3000, 4000, 5000 - HCG 0541 DEP
HCG 0541 DEP	European Union	003729540-0002	30-Jan-2017			Project Sabretooth - designs 1000, 2000, 3000, 4000, 5000 - HCG 0541 DEP
HCG 0541 DEP	European Union	003729540-0003	30-Jan-2017			Project Sabretooth - designs 1000, 2000, 3000, 4000, 5000 - HCG 0541 DEP
HCG 0541 DEP	European Union	003729540-0004	30-Jan-2017			Project Sabretooth - designs 1000, 2000, 3000, 4000, 5000 - HCG 0541 DEP
HCG 0541 DEP	European Union	003729540-0005	30-Jan-2017			Project Sabretooth - designs 1000, 2000, 3000, 4000, 5000 - HCG 0541 DEP
HCG 0602 DEM1	European Union	003733526-0001	31-Jan-2017			Project Aslan - Vacuum Cleaner HCG 0602 DEM

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HCG 0602 DEM2	European Union	003733526-0002	31-Jan-2017			Project Aslan - Vacuum Cleaner HCG 0602 DEM
FHV0539	European Union	003765734-0001	24-Feb-2017	003765734-0001	27-Feb-2019	HANDHELD VACUUM CLEANER
FHV0539	European Union	003765734-0002	24-Feb-2017	003765734-0002	27-Feb-2019	HANDHELD VACUUM CLEANER
HCG 0639DEM1	European Union	004685618-0001	30-Jan-2018			Floor tool
HCG 0638DEM1	European Union	004685626-0001	30-Jan-2018			Floor tool
HCG 0639DEM1	European Union	004716033-0001	20-Feb-2018			Floor tool
HCD 0602 DEM5 Project Aslan	European Union	005119021-0001	26-Mar-2018			Wall Mount
HCG 0602 DEM3 Project Aslan	European Union	005231511-0001	12-Apr-2018			Handheld vacuum cleaner
HCG 0602 DEM4 Project Aslan	European Union	005231537-0001	12-Apr-2018			Vacuum cleaner
FHV0737P	European Union	005577558-0001	8-Aug-2018			FLOOR CLEANER
HCG 0639 DEM3	European Union	005824943-0001	15-Nov-2018			Vacuum cleaner HCG 0639 DEM3 Aslan
HCD 15776	European Union	005831708-0001	21-Nov-2018			Battery and battery charger
HCD 15776	European Union	005831708-0002	21-Nov-2018			Battery and battery charger
HCD 15776	European Union	005831708-0003	21-Nov-2018			Battery and battery charger
HCD 15776	European Union	005831708-0004	21-Nov-2018			Battery and battery charger
HCD 15776	European Union	005831708-0005	21-Nov-2018			Battery and battery charger
HCD 15776	European Union	005831708-0006	21-Nov-2018			Battery and battery charger

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
HCD 15776	European Union	005831708-0007	21-Nov-2018			Battery and battery charger
HCD 15776	European Union	005831708-0008	21-Nov-2018			Battery and battery charger
HCD 15776	European Union	005831708-0009	21-Nov-2018			Battery and battery charger
HCG0638 DEM2	European Union	005888641-0001	13-Dec-2018			Floor tool
KAA 0030 PFR-UM	France	1871640.0	21-Nov-2018	-	-	FOOD BLENDER AND BLADE BASE THEREOF
KAA 0030 PDE-UM	Germany	202018106595.5	21-Nov-2018	2 02018E+11	12-Mar-2019	FOOD BLENDER AND BLADE BASE THEREOF
HCG 0493 DJPSA (Project Tiger)	Japan	2016-027950	22-Dec-2016	1584237	28-Jul-2017	Vacuum Cleaner
HCG 0493 DJPSB (Project Tiger)	Japan	2016-027951	22-Dec-2016	1584363	28-Jul-2017	Vacuum Cleaner
FHV 0559 DIP3	Japan	2017-003641	24-Feb-2017	1579984	2-Jun-2017	HANDHELD VACUUM CLEANER
FHV 0559 DIP4	Japan	2017-003642	24-Feb-2017	1579985	2-Jun-2017	HANDHELD VACUUM CLEANER
FHV 0704 D-4 JP00	Japan	2017-012698	13-Jun-2017	1592435	10-Nov-2017	BATTERY CHARGER
FHV 0704 D-1 JP00	Japan	2017-012699	13-Jun-2017	1601057	9-Mar-2018	BATTERY
FHV0704DIP1-2	Japan	2017-028528	21-Dec-2017	1601138	9-Mar-2018	BATTERY
HCG 0638 DIP1	Japan	2018-002730	9-Feb-2018	1608168	8-Jun-2018	Floor Tool
HCG 0639 DIP1	Japan	2018-002731	9-Feb-2018	1610637	13-Jul-2018	Floor Tool
HCG 0602 DIP2	Japan	2018-007852	10-Apr-2018	1627335	1-Mar-2019	Wall Mount
HCG 0602 DIP3	Japan	2018-007853	10-Apr-2018	1625423	1-Feb-2019	Handheld Vacuum Cleaner
HCG 0602 DIP4	Japan	2018-007854	10-Apr-2018	1625424	1-Feb-2019	Vacuum Cleaner
FHV 0750 DIP1	Japan	2018-024718	12-Nov-2018	1641661	30-Aug-2019	BATTERY
FHV 0750 DIP2	Japan	2018-025272	20-Nov-2018	-	-	BATTERY CHARGER
FHV 0750 DIP3	Japan	2018-026113	30-Nov-2018	-	-	Battery Charger

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FHV 0750D-1 JP02	Japan	2019-010288	13-May-2019	1642001	30-Aug-2019	BATTERY
HCG 0602 DIP5	Japan	2019-07057	1-Feb-2019	-	-	Floor Tool
HCG 0312 DNZ2 (Project Titus)	New Zealand	421825	11-Jul-2016	421825	4-Nov-2016	Vacuum Cleaner
FHV 0750 DNZ1	New Zealand	425304	15-Nov-2018	425304	19-Feb-2019	BATTERY
FHV 0750 DNZ1-2	New Zealand	425306	15-Nov-2018	425306	30-May-2019	BATTERY
FHV 0750 DNZ2	New Zealand	425308	15-Nov-2018	425308	30-May-2019	BATTERY
FHV 0750 DNZ2-2	New Zealand	425309	15-Nov-2018	425309	30-May-2019	BATTERY
FHV 0750 DNZ3	New Zealand	425342	20-Nov-2018	425342	19-Feb-2019	BATTERY CHARGER
FHV 0750 DNZ 3-3	New Zealand	425345	20-Nov-2018	425345	19-Feb-2019	Battery Charger
FHV 0750 DNZ 3-2	New Zealand	425346	20-Nov-2018	425346	19-Feb-2019	BATTERY CHARGER
KAA 0023 PWO	Patent Cooperation Treaty	PCT/CN2017/070153	4-Jan-2017	-	-	Apparatus for mixing and/or purring of food and method of controlling the same
FHV0559P-19	Patent Cooperation Treaty	PCT/CN2017/074997	27-Feb-2017			VERTICAL DUST CUP IN OPERATING POSITION (VERSA)
FHV0559P-20	Patent Cooperation Treaty	PCT/CN2017/075011	27-Feb-2017			BATTERY GRASPABLE ON BOTH SIDES (VERSA)
FHV0559P-22	Patent Cooperation Treaty	PCT/CN2017/075036	27-Feb-2017			VERTICAL EXPANSION OF INLET TUBE TO CYCLONE (VERSA)
FHV0559P-18	Patent Cooperation Treaty	PCT/CN2017/075004	27-Feb-2017			HANDHELD VACUUM CLEANER
FDD0722P WO01	Patent Cooperation Treaty	PCT/CN2018/096301	19-Jul-2018			CORD REEL LEVER LOCATION - PATENT APPLICATION (SKYHAWK)
15US-H-586	Patent Cooperation Treaty	PCT/US2016/045747	5-Aug-2016			VACUUM CLEANER AND CARRIER ASSEMBLY

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
TTI-14US-E-546.5, .6 AND .7	Patent Cooperation Treaty	PCT/US2016/050030	2-Sep-2016			POWER TOOL, BATTERY PACK, AND COMBINATION, AND METHOD OF CONTROLLING THE SAME
FHV0010P WO00	Patent Cooperation Treaty	PCT/US2016/052687	20-Sep-2016			EXTRACTOR CLEANING MACHINE
FOR0572	Patent Cooperation Treaty	PCT/US2017/027671	14-Apr-2017			VACUUM CLEANER AND FILTER FOR A VACUUM CLEANER
FOR0571P-01 WO01	Patent Cooperation Treaty	PCT/US2017/027676	14-Apr-2017			HANDHELD VACUUM CLEANER
FOR0571P	Patent Cooperation Treaty	PCT/US2017/027684	14-Apr-2017			VACUUM FILTER
FOR0571P10	Patent Cooperation Treaty	PCT/US2018/052811	26-Sep-2018			VACUUM CLEANER AND DIRT COLLECTOR FOR A VACUUM CLEANER
FHV0700C08	Patent Cooperation Treaty	PCT/US2018/059854	8-Nov-2018			SURFACE CLEANING APPARATUS
FHV0559P-33 WO01	Patent Cooperation Treaty	PCT/US2019/013819	16-Jan-2019			SYSTEM AND METHOD FOR OPERATING A CLEANING SYSTEM BASED ON A SURFACE TO BE CLEANED
FHV0597P06	Patent Cooperation Treaty	PCT/US2019/013926	17-Jan-2019			OBJECT DETECTION SYSTEM FOR A VACUUM
FHV0707P09 WO01	Patent Cooperation Treaty	PCT/US2019/015966	31-Jan-2019			BATTERY EJECTION SYSTEM
FCG0741P-03 WO01	Patent Cooperation Treaty	PCT/US2019/020216	1-Mar-2019			VACUUM CLEANER
FHV0707P08 WO01	Patent Cooperation Treaty	PCT/US2019/020801	5-Mar-2019			BUMPER WITH VIEWING WINDOW FOR AUTONOMOUS CLEANER

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FOR0571P-13	Patent Cooperation Treaty	PCT/US2019/020875	6-Mar-2019			VACUUM CLEANER
14KR-B-472.12	Republic of Korea	10-2017-7012696	11-May-2017			Improved Battery Removal for a Vacuum Cleaner
14US-W-544 PKR	Republic of Korea	10-2018-7015988	5-Jun-2018	-	-	Extractor Cleaning Machine
KAA 0030 PKR-UM	Republic of Korea	20-2018-0005408	23-Nov-2018	-	-	Food Processor and Blade Base Thereof
FDD 0001 DKR00	Republic of Korea	30-2016-0025135	25-May-2016	30-0885786	8-Dec-2016	HANDHELD VACUUM CLEANER
HCG 0512 DKR2	Republic of Korea	30-2016-0026601	1-Jun-2016	30-0889369	5-Jan-2017	Vacuum Cleaner
HCG 0488 DKR3	Republic of Korea	30-2016-0033091	7-Jul-2016	30-0899293	14-Mar-2017	Vacuum Cleaner
HCG 0488 DKR4 (Project Snow Leopard)	Republic of Korea	30-2016-0034466	14-Jul-2016	30-900798	24-Mar-2017	Vacuum Cleaner
FDD 0019 D KR00	Republic of Korea	30-2016-0040905	22-Aug-2016	30-0902731	7-Apr-2017	HANDHELD VACUUM CLEANER
HCG 0493 DKR4	Republic of Korea	30-2016-34989	18-Jul-2016	30-0899516	15-Mar-2017	Vacuum Cleaner
FHV 0725 DKR1	Republic of Korea	30-2017-0060813	21-Dec-2017	30-1005551	2-May-2019	HANDHELD VACUUM CLEANER
HCG 0493 DKR5A (Project Tiger)	Republic of Korea	30-2017-2225	13-Jan-2017	30-0941697	19-Jan-2018	Vacuum Cleaner
HCG 0493 DKR5B (Project Tiger)	Republic of Korea	30-2017-2226	13-Jan-2017	30-0941698	19-Jan-2018	Vacuum Cleaner
FHV 0704 D-4 KR00	Republic of Korea	30-2017-26159	9-Jun-2017	30-0929508	27-Oct-2017	BATTERY CHARGER
FHV 0704 D-4 KR01	Republic of Korea	30-2017-26160	9-Jun-2017	-	-	BATTERY CHARGER
FHV 0704 D-1 KR00	Republic of Korea	30-2017-26161	9-Jun-2017	30-955961	4-May-2018	BATTERY

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV 0704 D-1 KR01	Republic of Korea	30-2017-26162	9-Jun-2017	30-0950477	23-Mar-2018	BATTERY
FHV 0704 D-1 KR02	Republic of Korea	30-2017-26163	9-Jun-2017	30-955963	4-May-2018	BATTERY
FHV 0704 D-1 KR03	Republic of Korea	30-2017-26164	9-Jun-2017	30-0950478	23-Mar-2018	BATTERY
FHV 0725 DKR1	Republic of Korea	30-2017-60813	21-Dec-2017			HANDHELD VACUUM CLEANER
FHV 0725 DKR2	Republic of Korea	30-2017-60814	21-Dec-2017	30-1001580	2-Apr-2019	HANDHELD VACUUM CLEANER
FHV 0559 DKR3	Republic of Korea	30-2017-9469	28-Feb-2017	30-0927282	13-Oct-2017	HANDHELD VACUUM CLEANER
FHV 0559 DKR4	Republic of Korea	30-2017-9470	28-Feb-2017	30-0937120	19-Dec-2017	HANDHELD VACUUM CLEANER
FHV 0750 DKR1	Republic of Korea	30-2018-0053390	19-Nov-2018	30-1019835	14-Aug-2019	BATTERY
FHV 0750 DKR1-2	Republic of Korea	30-2018-0053391	19-Nov-2018	30-1019836	14-Aug-2019	BATTERY
FHV 0750 DKR2	Republic of Korea	30-2018-0053392	19-Nov-2018	30-1019837	14-Aug-2019	BATTERY
FHV 0750 DKR2-2	Republic of Korea	30-2018-0053393	19-Nov-2018	30-1019838	14-Aug-2019	BATTERY
HCG 0602 DKR3	Republic of Korea	30-2018-16557	9-Apr-2018	30-1008756	27-May-2019	Handheld Vacuum Cleaner
HCG 0602 DKR4	Republic of Korea	30-2018-16558	9-Apr-2018	30-0998437	12-Mar-2019	Vacuum Cleaner
HCG 0602 DKR2	Republic of Korea	30-2018-17362	13-Apr-2018	30-1012006	19-Jun-2019	Wall Mount for Vacuum Cleaner
FHV 0750 DKR1	Republic of Korea	30-2018-53390	19-Nov-2018			BATTERY
FHV 0750 DKR1-2	Republic of Korea	30-2018-53391	19-Nov-2018			BATTERY
FHV 0750 DKR2	Republic of Korea	30-2018-53392	19-Nov-2018			BATTERY

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV 0750 DKR2-2	Republic of Korea	30-2018-53393	19-Nov-2018	30-1019838	14-Aug-2019	BATTERY
FHV 0750 DKR3	Republic of Korea	30-2018-53704	20-Nov-2018	-	-	BATTERY CHARGER
FHV 0750 DKR3-2	Republic of Korea	30-2018-53705	20-Nov-2018	-	-	Battery Charger
FHV 0750 DKR3-3	Republic of Korea	30-2018-53706	20-Nov-2018	-	-	Battery Charger
FHV 0750 DKR3-4	Republic of Korea	30-2018-59712	18-Dec-2018	-	-	Battery Charger
HCG 0638 DKR1 Asian MMT	Republic of Korea	30-2018-7992	14-Feb-2018	30-1010032	5-Jun-2019	Floor Tool
HCG 0639 DKR1	Republic of Korea	30-2018-7993	14-Feb-2018	30-1013365	28-Jun-2019	Floor Tool
HCG 0602 DKR5	Republic of Korea	30-2019-5518	7-Feb-2019	-	-	FLOOR CLEANING TOOL
FDD 0001 DTW00	Taiwan	105302994	25-May-2016	D183226	21-May-2017	HANDHELD VACUUM CLEANER
HCG 0512 DTW2	Taiwan	105303149	1-Jun-2016	D180331	21-Dec-2016	Vacuum Cleaner
HCG 0488 DTW3	Taiwan	105303904	7-Jul-2016	D180332	21-Dec-2016	Vacuum Cleaner
HCG 0488 DTW4 (Project Snow Leopard)	Taiwan	105303986	13-Jul-2016	D180333	21-Dec-2016	Vacuum Cleaner
HCG 0493 DTW4	Taiwan	105303987	13-Jul-2016	D180334	21-Dec-2016	Vacuum Cleaner
FDD 0019 D TW00	Taiwan	105304824	22-Aug-2016	D182763	1-May-2017	HANDHELD VACUUM CLEANER
HCG 0493 DTW5B (Project Tiger)	Taiwan	105307907	27-Dec-2016	D189308	21-Mar-2018	Vacuum Cleaner
FHV 0559 DTW4	Taiwan	106300931	24-Feb-2017	D188290	1-Feb-2018	HANDHELD VACUUM CLEANER
FHV 0559 DTW3	Taiwan	106300942	24-Feb-2017	D190802	1-Jun-2018	HANDHELD VACUUM CLEANER
FHV 0704 D-1 TW00	Taiwan	106303082	7-Jun-2017	D191785	21-Jul-2018	BATTERY
FHV 0704 D-1 TW03	Taiwan	106303084	7-Jun-2017	D192192	11-Aug-2018	BATTERY

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV 0704 D-4 TW00	Taiwan	106303111	8-Jun-2017	D187366	21-Dec-2017	BATTERY CHARGER
FHV 0704 DTW-UM	Taiwan	107207344	1-Jun-2018	M573521	21-Jan-2019	RECHARGEABLE BATTERY PACK CPI code: THKFC
HCG 0638 DTW1	Taiwan	107300921	12-Feb-2018	D194648	11-Feb-2018	Floor Tool
HCG 0639 DTW1	Taiwan	107301260	5-Mar-2018	D194649	11-Feb-2018	Floor Tool
FHV 0750 DTW2-2	Taiwan	107306732	15-Nov-2018			BATTERY
FHV 0750 DTW2	Taiwan	107306733	15-Nov-2018			BATTERY
FHV 0750 DTW1-2	Taiwan	107306734	15-Nov-2018			BATTERY
FHV 0750 DTW1	Taiwan	107306735	15-Nov-2018			BATTERY
FHV 0750 DTW3	Taiwan	107306795	20-Nov-2018			BATTERY CHARGER
FHV 0750 DTW3-2	Taiwan	107306796	20-Nov-2018			BATTERY CHARGER
FHV 0750 DTW3-3	Taiwan	107306797	20-Nov-2018			BATTERY CHARGER
HCG 0602 DTW3	Taiwan	108300693	31-Jan-2019			Floor Tool
HCG 0493 DTW5A (Project Tiger)	Taiwan	105307907D01	27-Dec-2016	D190565	21-May-2018	Vacuum Cleaner
FHV 0559 DTW4	Taiwan	106300931D01	16-Nov-2017	D188291	1-Feb-2018	HANDHELD VACUUM CLEANER
FHV 0559 DTW3	Taiwan	106300942D01	16-Nov-2017	D191007	11-Jun-2018	HANDHELD VACUUM CLEANER
FHV 0704 D-4 TW00	Taiwan	106303082D01	7-Jun-2017	D191786	21-Jul-2018	BATTERY
FHV 0704 D-4 TW02	Taiwan	106303084D01	7-Jun-2017	D192193	11-Aug-2018	BATTERY
FHV 0704 D-4 TW00	Taiwan	106303111D01	8-Jun-2017	D192644	1-Sep-2018	BATTERY CHARGER
FHV 0750 DTW2	Taiwan	107306732D01	15-Nov-2018	-	-	BATTERY
FHV 0750 DTW1	Taiwan	107306734D01	15-Nov-2018	-	-	BATTERY
FHV 0750 DTW3	Taiwan	107306796D01	20-Nov-2018	-	-	BATTERY CHARGER
HCG 0276 PGB	United Kingdom	1522789.5	23-Dec-2015			Project Wipeout 7 - spring-loaded connection of upright tube to floor head

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
HCC 0493 PGB3	United Kingdom	1617515.0	14-Oct-2016			Project Tiger - Wand cross-section and ducting (trapezoidal) for electrical wiring
HCC 0493 PGB1	United Kingdom	1617521.8	14-Oct-2016			Project Tiger - Skirt configuration/dimensions
15US-H-586	United States of America	15/229,510	5-Aug-2016	10219664	2019-03-05	VACUUM CLEANER AND CARRIER ASSEMBLY
FHV0010P-01 US01	United States of America	15/270,897	20-Sep-2016			EXTRACTOR CLEANING MACHINE
FOR0572	United States of America	15/488,027	14-Apr-2017			VACUUM CLEANER AND FILTER FOR A VACUUM CLEANER
FOR0571P-1-US01	United States of America	15/488,047	14-Apr-2017			HANDHELD VACUUM CLEANER
FOR0571P-2-US01	United States of America	15/488,065	14-Apr-2017			VACUUM FILTER
14US-E-546	United States of America	15/509,462	2-Sep-2016	10148111	2018-12-04	POWER TOOL, BATTERY PACK, AND COMBINATION, AND METHOD OF CONTROLLING THE SAME
FHV0580P-11	United States of America	15/878,501	24-Jan-2018			VACUUM CLEANER AND METHOD OF CONTROLLING A MOTOR FOR A BRUSH OF THE VACUUM CLEANER
FHV0549P13	United States of America	15/910,861	2-Mar-2018			VACUUM CLEANER INCLUDING A REMOVABLE CANISTER ASSEMBLY
FHV0549P-16	United States of America	15/910,874	2-Mar-2018			VACUUM CLEANER INCLUDING A SURFACE CLEANING HEAD HAVING A DISPLAY
15US-H-586	United States of America	15/958,587	20-Apr-2018			VACUUM CLEANER INCLUDING FOAM BODY
FOR0571P10	United States of America	16/142,177	26-Sep-2018			VACUUM CLEANER
FOR0571P10	United States of America	16/142,201	26-Sep-2018			DIRT COLLECTOR FOR A VACUUM CLEANER
14US-E-546	United States of America	16/170,884	25-Oct-2018			POWER TOOL, BATTERY PACK, AND COMBINATION, AND METHOD OF CONTROLLING THE SAME
FHV0706C08	United States of America	16/184,650	8-Nov-2018			SURFACE CLEANING APPARATUS

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV0559P-31	United States of America	16/249,622	16-Jan-2019			SYSTEM AND METHOD FOR OPERATING A CLEANING SYSTEM BASED ON A SURFACE TO BE CLEANED
FHV0597P-5	United States of America	16/264,912	1-Feb-2019			AUTONOMOUS VACUUM OPERATION IN RESPONSE TO DIRT DETECTION
FOR0571P-13	United States of America	16/293,759	6-Mar-2019			VACUUM CLEANER
FHV0559P-18	United States of America	16/327,934	27-Feb-2019			HANDHELD VACUUM CLEANER
FHV0559P-19	United States of America	16/327,940	27-Feb-2019			HANDHELD VACUUM CLEANER
FHV0559P-20	United States of America	16/327,945	27-Feb-2019			HANDHELD VACUUM CLEANER
FHV0559P-22	United States of America	16/327,948	27-Feb-2019			HANDHELD VACUUM CLEANER
FHV0559P-1-US01	United States of America	29/595,057	24-Feb-2017	D844264	2019-03-26	HANDHELD VACUUM CLEANER
FHV0559P-1-US02	United States of America	29/595,059	24-Feb-2017	D838067	2019-01-08	HANDHELD VACUUM CLEANER
FOR0571DUS01	United States of America	29/600,733	14-Apr-2017	D844265	2019-03-26	HANDHELD VACUUM CLEANER
FOR0571DUS02	United States of America	29/600,736	14-Apr-2017	D840615	2019-02-12	HANDHELD VACUUM CLEANER
HCG 0493 D-1 US01	United States of America	29/602,930	4-May-2017	D827231	28-Aug-2018	HANDHELD VACUUM CLEANER
HCG 0493 D-2 US01	United States of America	29/602,931	4-May-2017	D824616	31-Jul-2018	HANDHELD VACUUM CLEANER
FHV0702D-1	United States of America	29/605,722	30-May-2017	D845366	2019-04-09	VACUUM CLEANER
FHV0704D-1	United States of America	29/607,817	16-Jun-2017	D844556	2019-04-02	BATTERY
FHV0704D-4	United States of America	29/607,821	16-Jun-2017			BATTERY CHARGER
FHV0580D-2	United States of America	29/607,823	16-Jun-2017	D843071	2019-03-12	VACUUM CLEANER

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV0580D-1 US00	United States of America	29/607,824	16-Jun-2017	D850741	2019-06-04	VACUUM CLEANER
FHV0549D-1 US00	United States of America	29/607,825	16-Jun-2017			VACUUM CLEANER
FHV0549D-3 US00	United States of America	29/607,827	16-Jun-2017			VACUUM CLEANER
FHV0549D-4 US00	United States of America	29/607,829	16-Jun-2017			VACUUM CLEANER
FHV0702D-3 POWER	United States of America	29/607,973	19-Jun-2017	D845567	2019-04-09	VACUUM CLEANER
FHV0702P09	United States of America	29/609,775	5-Jul-2017	D842563	2019-03-05	VACUUM CLEANER
FHV0702P08	United States of America	29/625,770	13-Nov-2017			BRUSH FOR A CLEANING DEVICE
FOR0572D	United States of America	29/626,369	16-Nov-2017			VACUUM CLEANER
FHV0707D US00	United States of America	29/626,375	16-Nov-2017			ROBOT VACUUM CLEANER
FHV0708D-2 US00	United States of America	29/626,383	16-Nov-2017			FLOOR CLEANER
FHV0700D-2 US00	United States of America	29/626,389	16-Nov-2017			FLOOR CLEANER
FOR0571D3US01	United States of America	29/646,365	3-May-2018			FOOT FOR A VACUUM CLEANER
FOR0571D3US02	United States of America	29/646,366	3-May-2018			FOOT FOR A VACUUM CLEANER
FOR0571D4US01	United States of America	29/650,252	5-Jun-2018			HOUSING FOR A FILTER
FHV0757P	United States of America	29/659,244	7-Aug-2018			FLOOR CLEANER
FHV0750D	United States of America	29/670,224	14-Nov-2018			BATTERY
FHV0750D-3	United States of America	29/670,225	14-Nov-2018			BATTERY CHARGER

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV0748D	United States of America	29/670,231	14-Nov-2018			PORTABLE CLEANER
FHV0763D-12US01	United States of America	29/676,366	10-Jan-2019			BOTTLE
FHV0763D-9US01	United States of America	29/676,368	10-Jan-2019			BOTTLE
FHV0763D-10US01	United States of America	29/676,370	10-Jan-2019			BOTTLE
FHV0763D-6US01	United States of America	29/676,372	10-Jan-2019			BOTTLE
FHV0763D-11US01	United States of America	29/676,373	10-Jan-2019			BOTTLE
15US-H-586	United States of America	62/201,470	5-Aug-2015			CARRIER FOR A VACUUM
TT1-14US-E-546.5, .6 AND .7	United States of America	62/213,569	2-Sep-2015			POWER TOOL, BATTERY PACK, AND COMBINATION, AND METHOD OF CONTROLLING THE SAME
TT1-14US-E-546.8	United States of America	62/213,571	2-Sep-2015			POWER TOOL AND BATTERY PACK COMBINATION INCLUDING RESPECTIVE COMMUNICATION CIRCUITS
15US-H-586	United States of America	62/243,858	20-Oct-2015			CARRIER FOR A VACUUM CLEANER
TT1 15US-H-604	United States of America	62/243,876	20-Oct-2015			A MOUNTING BRACKET FOR A VACUUM CLEANER
FHV0010P-01-US00	United States of America	62/253,920	11-Nov-2015			EXTRACTOR CLEANING MACHINE
FOR0572	United States of America	62/323,384	15-Apr-2016			VACUUM CLEANER AND A FILTER BAG FOR A VACUUM CLEANER
FOR0572	United States of America	62/361,718	13-Jul-2016			COLLAPSIBLE FILTER
FOR0571P-2-US00	United States of America	62/457,329	10-Feb-2017			VACUUM FILTER
FOR0571P-1-US00	United States of America	62/457,543	10-Feb-2017			HANDHELD VACUUM CLEANER

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FOR 571 P10 US00 (MB Ref. 206190-9267-US01)	United States of America	62/564,432	28-Sep-2017			IR Fill Sensor Combined into HFP08479PCT
FOR 571 P10 US01 (MB Ref. 206190-9267-US02)	United States of America	62/572,225	13-Oct-2017			IR Fill Sensor (updated disclosure) Combined into HFP08479PCT
FOR 571 P10 US02 (MB Ref. 206190-9267-US03)	United States of America	62/572,229	13-Oct-2017			Transparent housing for IR Fill Sensor Combined into HFP08479PCT
FHV0700C08	United States of America	62/585,108	13-Nov-2017			SURFACE CLEANING APPARATUS
FHV0559P-31	United States of America	62/618,129	17-Jan-2018			SYSTEM AND METHOD FOR OPERATING A CLEANING SYSTEM BASED ON A SURFACE TO BE CLEANED
FHV0597P06	United States of America	62/619,513	19-Jan-2018			OBJECT DETECTION SYSTEM FOR AN AUTONOMOUS VACUUM
FHV0597P-5	United States of America	62/627,472	7-Feb-2018			AUTONOMOUS VACUUM OPERATION IN RESPONSE TO DIRT DETECTION
FHV0707P09 US01	United States of America	62/633,404	21-Feb-2018			BATTERY EJECTION SYSTEM
FC00741P-02	United States of America	62/637,858	2-Mar-2018			VACUUM CLEANER
FHV0707P08 US01	United States of America	62/639,387	6-Mar-2018			BUMPER WITH VIEWING WINDOW FOR AUTONOMOUS CLEANER
FOR 571 P13 US00 (MB Ref. 206190-9271)	United States of America	62/659,601	7-Mar-2018			Hand Vac with magnetic valve connection
FC00741	United States of America	62/799,846	1-Feb-2019			VACUUM CLEANER
FHV0737P-7	United States of America	62/801,758	6-Feb-2019			SYSTEM AND METHOD FOR CONTROLLING A MOTOR BASED ON TEMPERATURE
FC00759P-2	United States of America	62/803,811	11-Feb-2019			BATTERY POWERED VACUUM CLEANER
FC00760P-1	United States of America	62/811,191	27-Feb-2019			BATTERY

Reference No.	Country	Application Number	Application Date	Registration Number	Registration Date	Title
FHV0737P-10	United States of America	62/825,459	28-Mar-2019			FLOOR CLEANER AND TRAY
FHV0768P-01	United States of America	62/842,909	3-May-2019			FLOOR CLEANER
						02