

Registered / Enregistré 07/06/2016

No 003177500-0002



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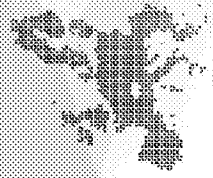
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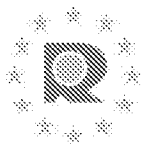
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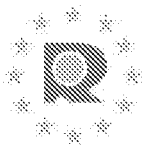
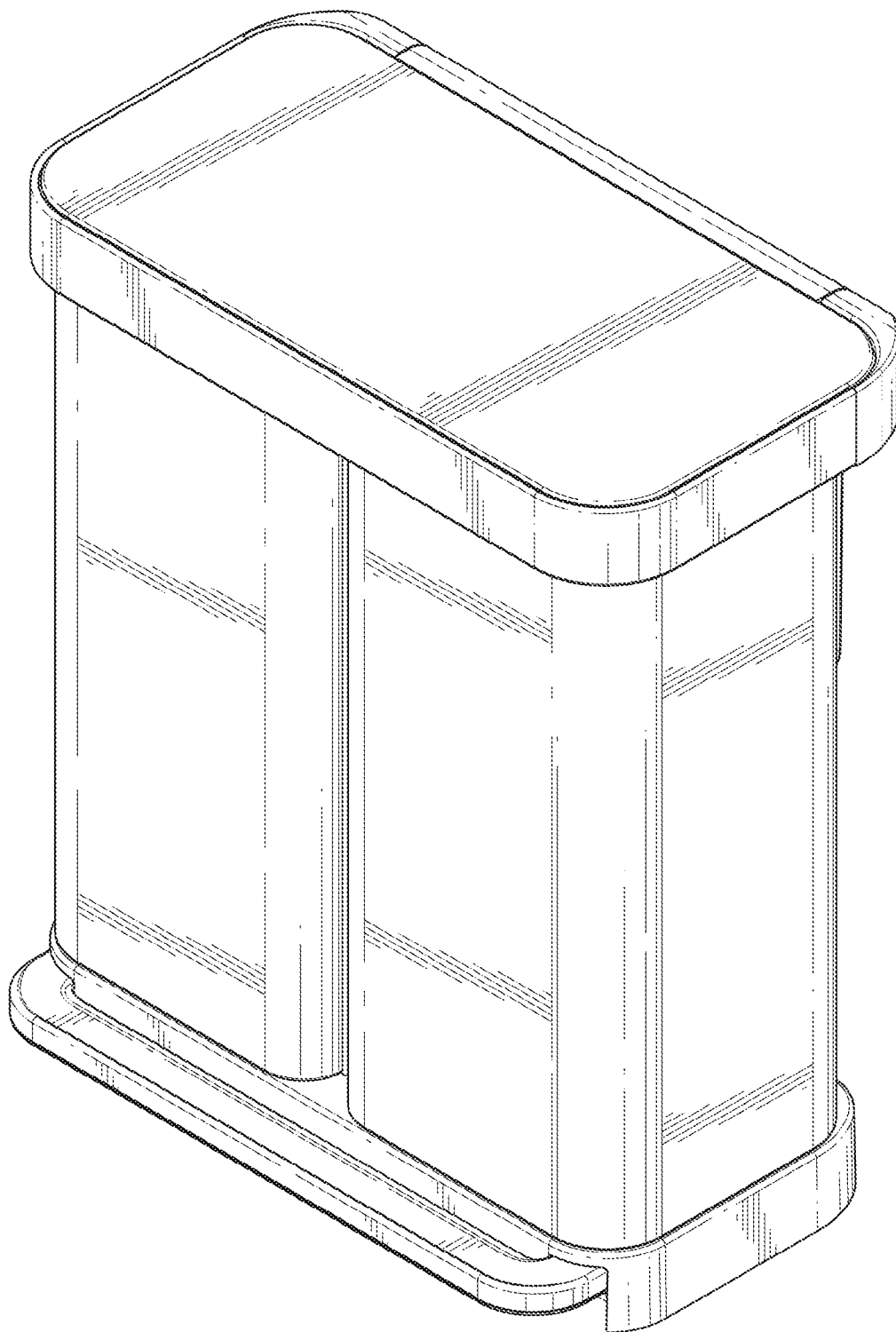
António Campinos



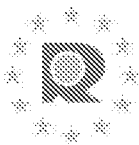
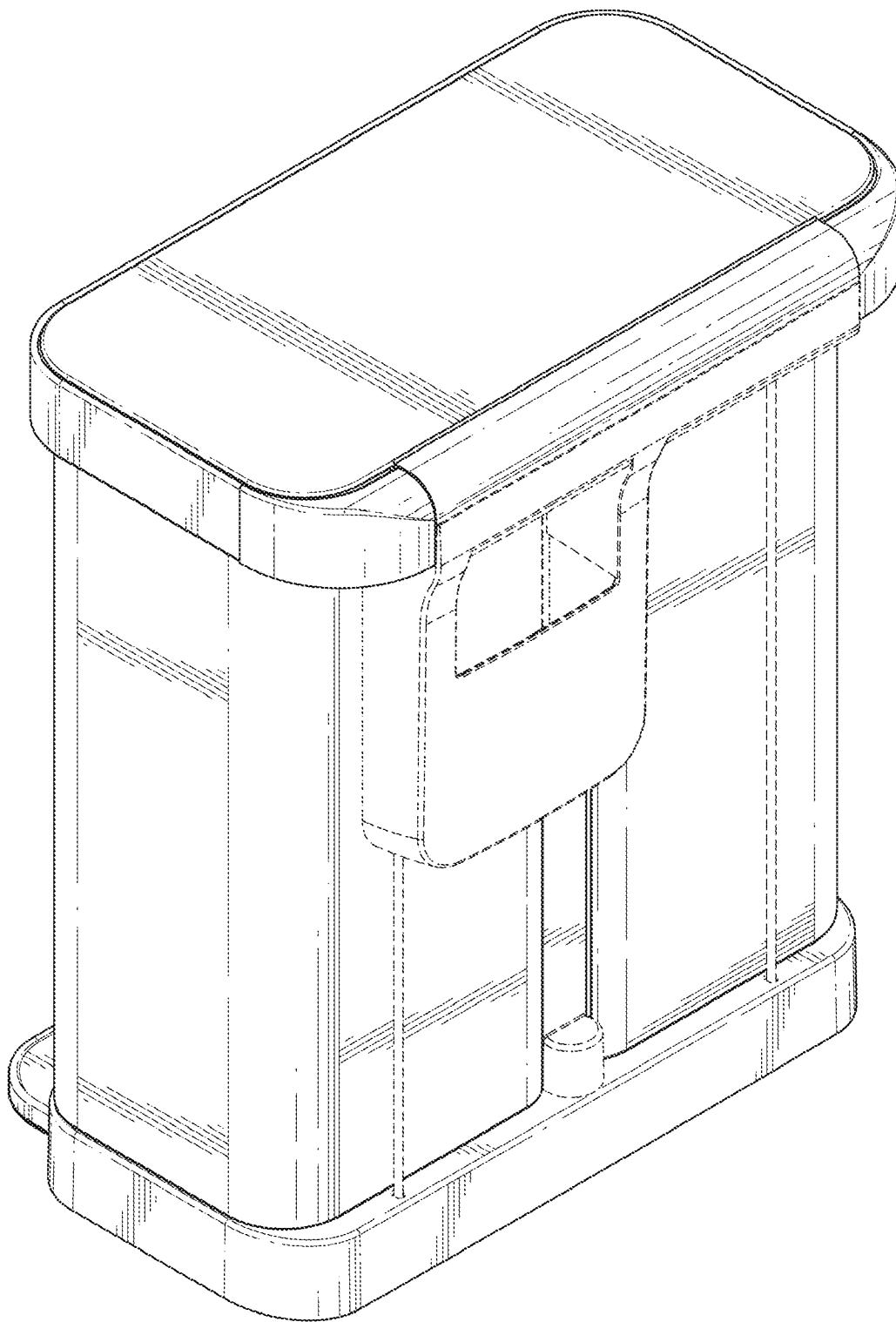
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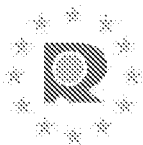
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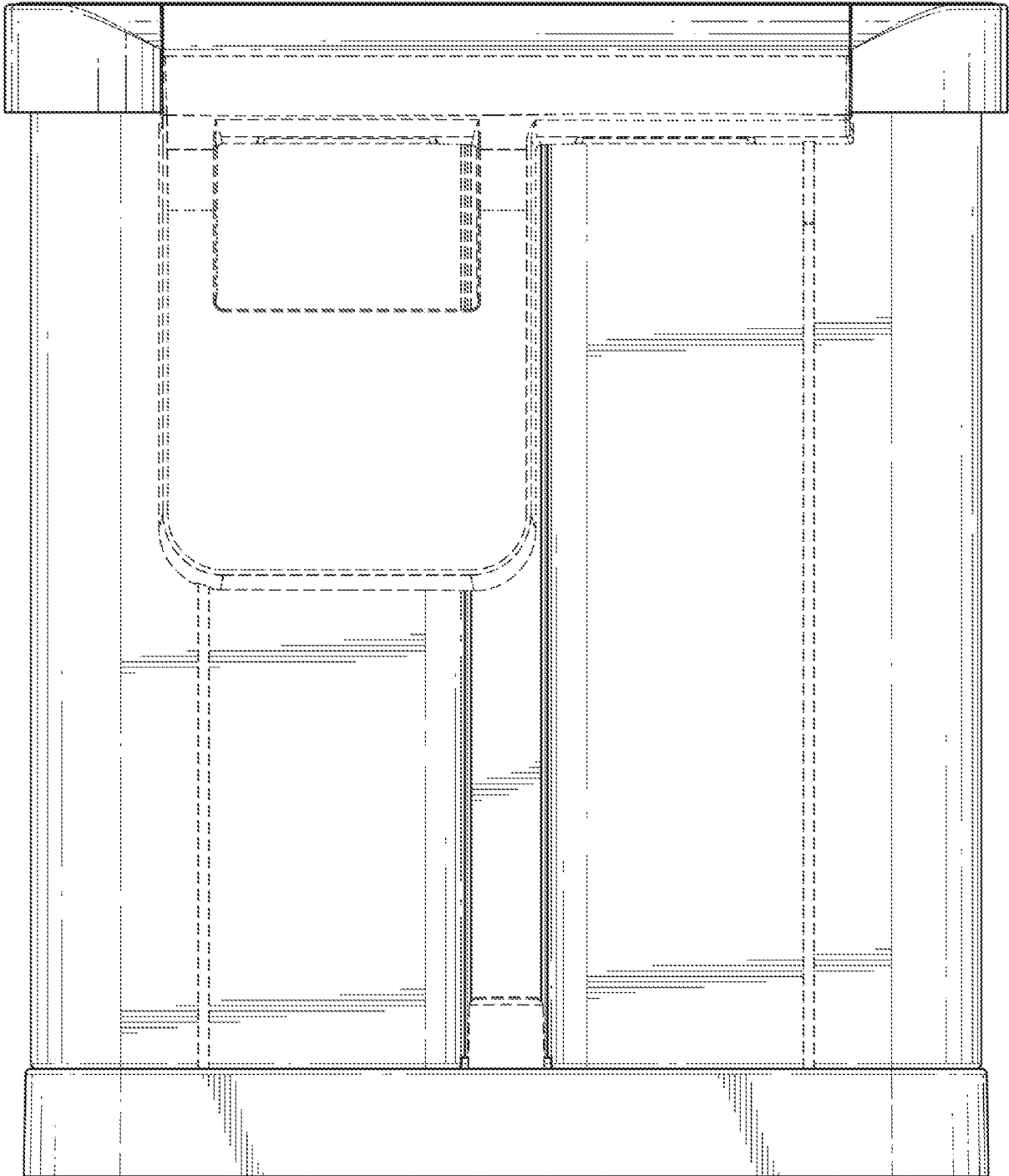
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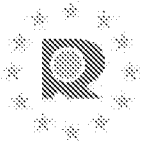
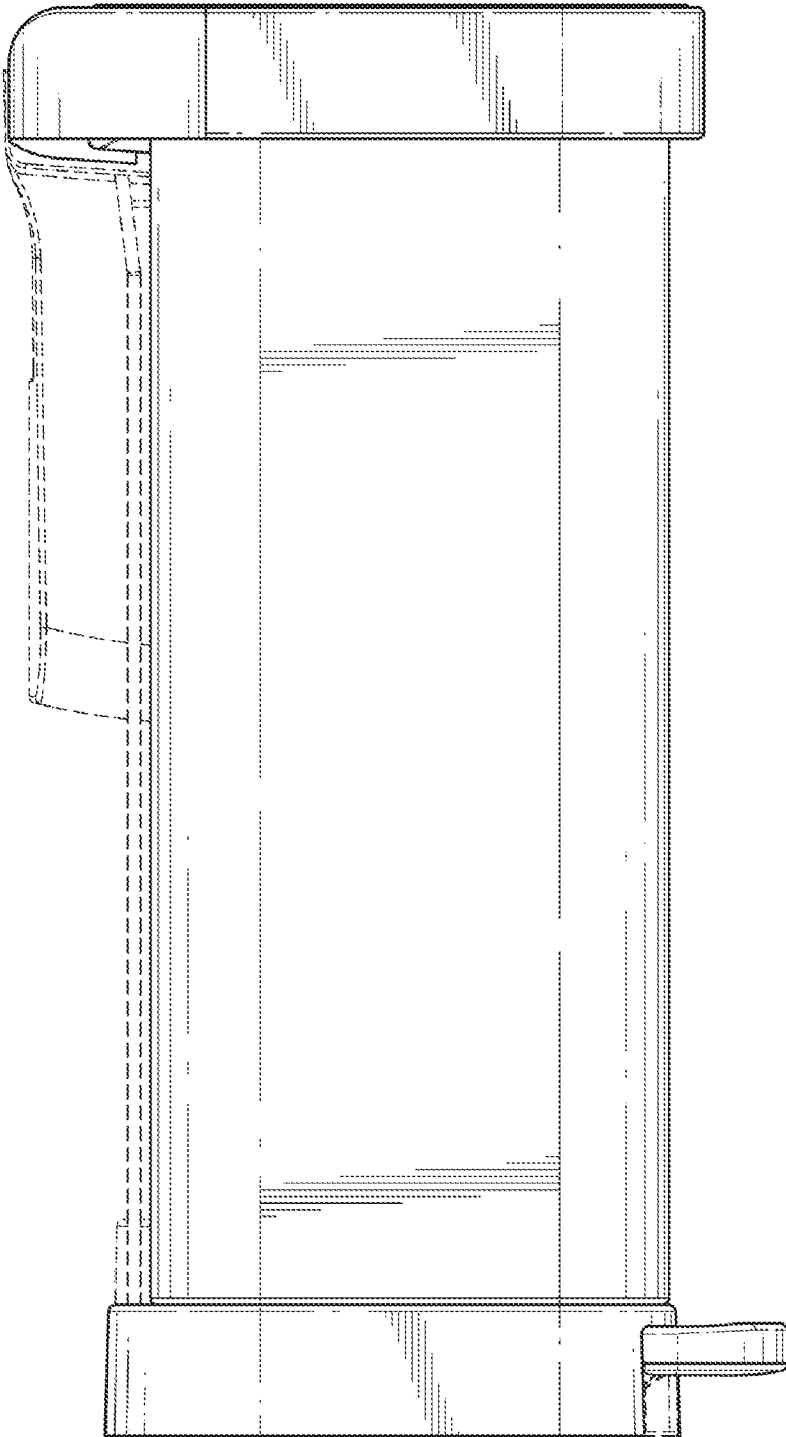
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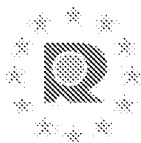
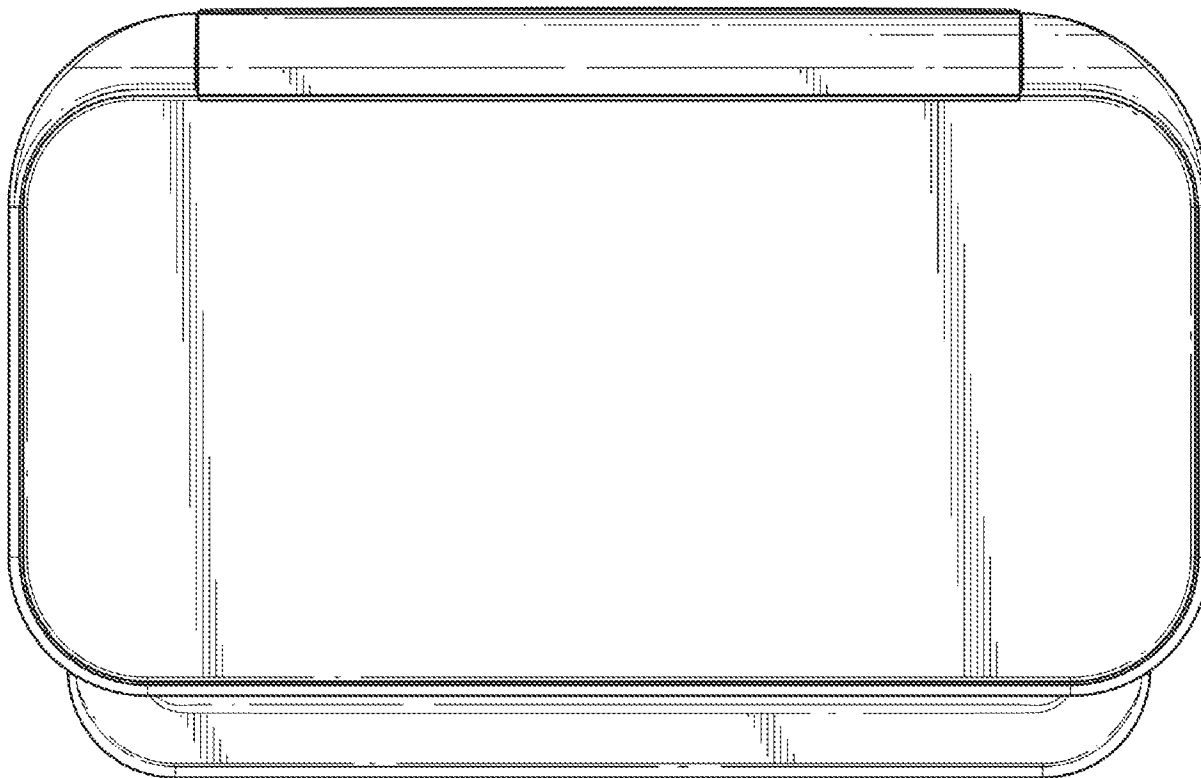
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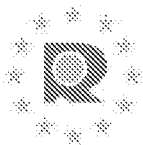
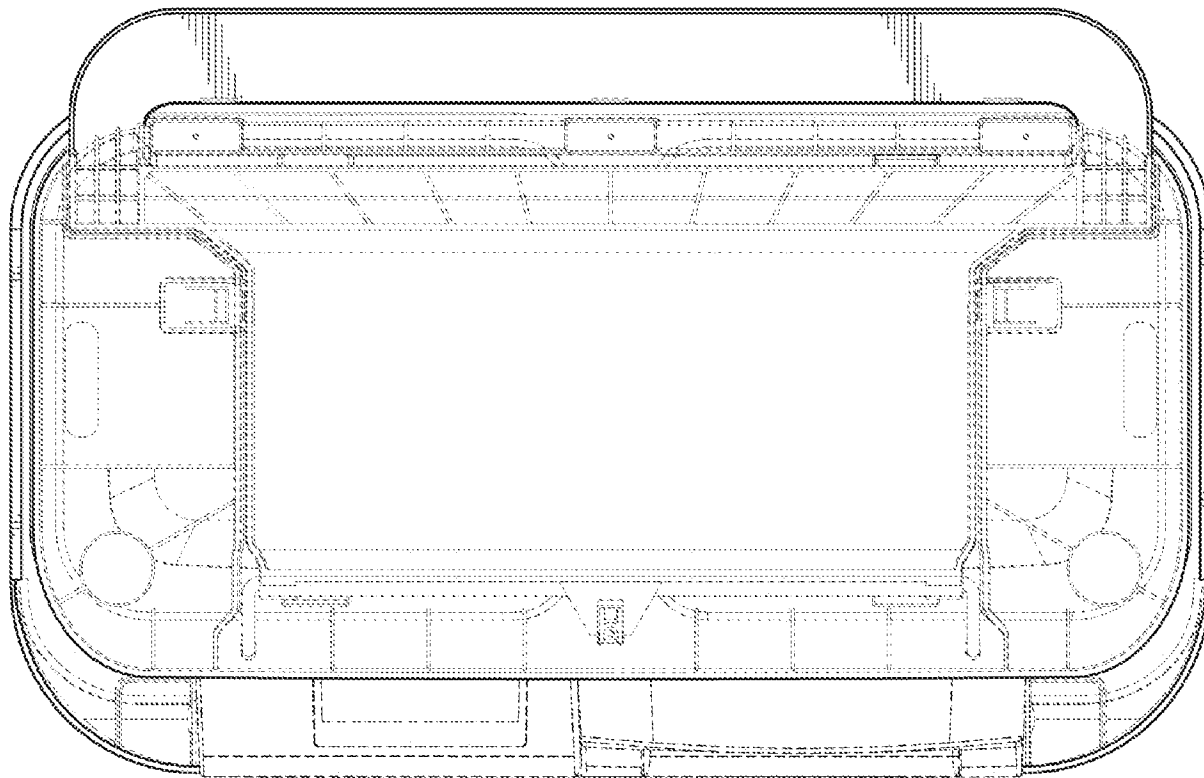
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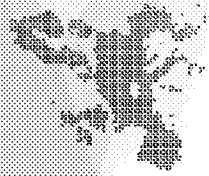
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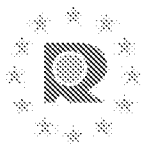
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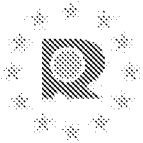
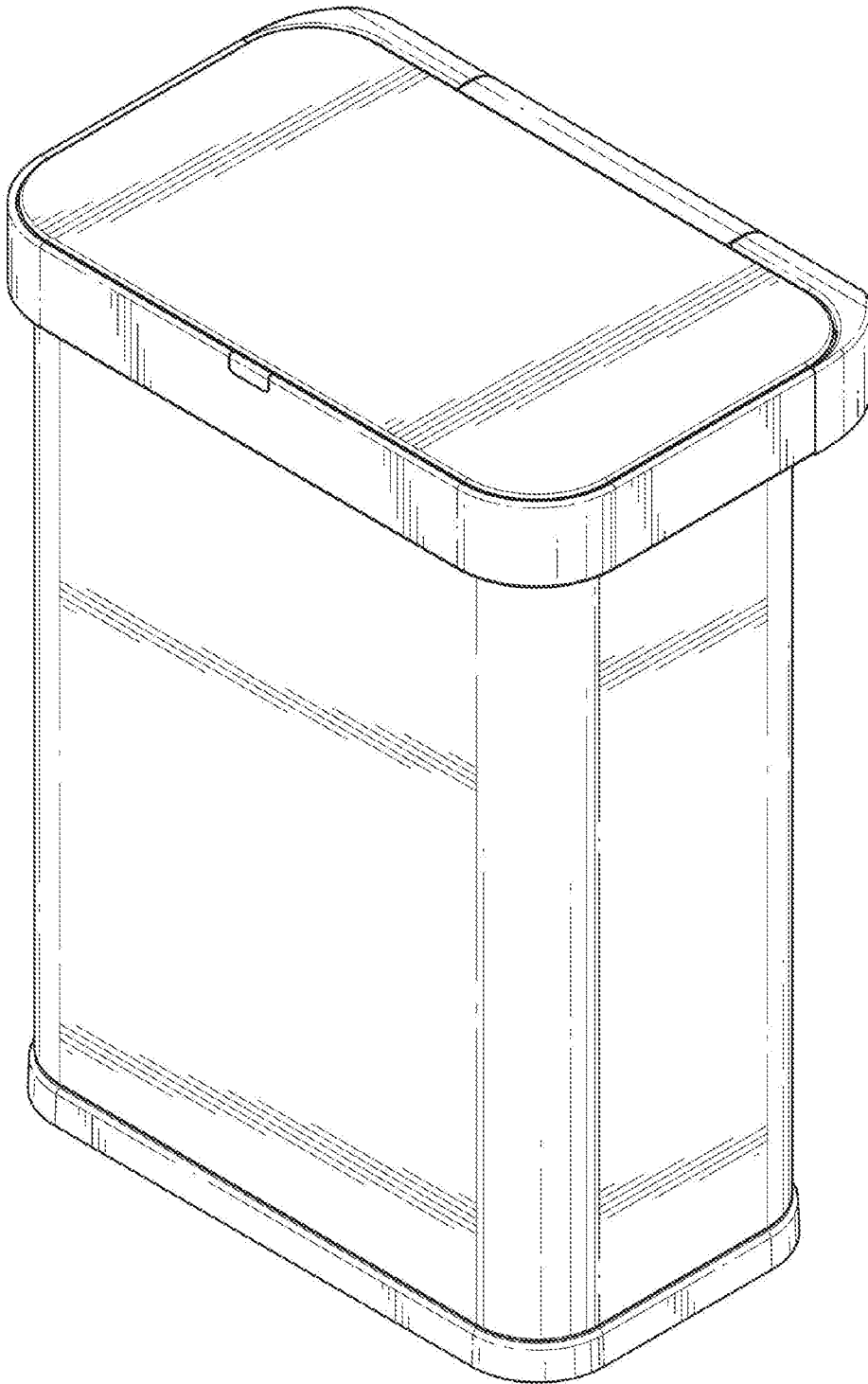
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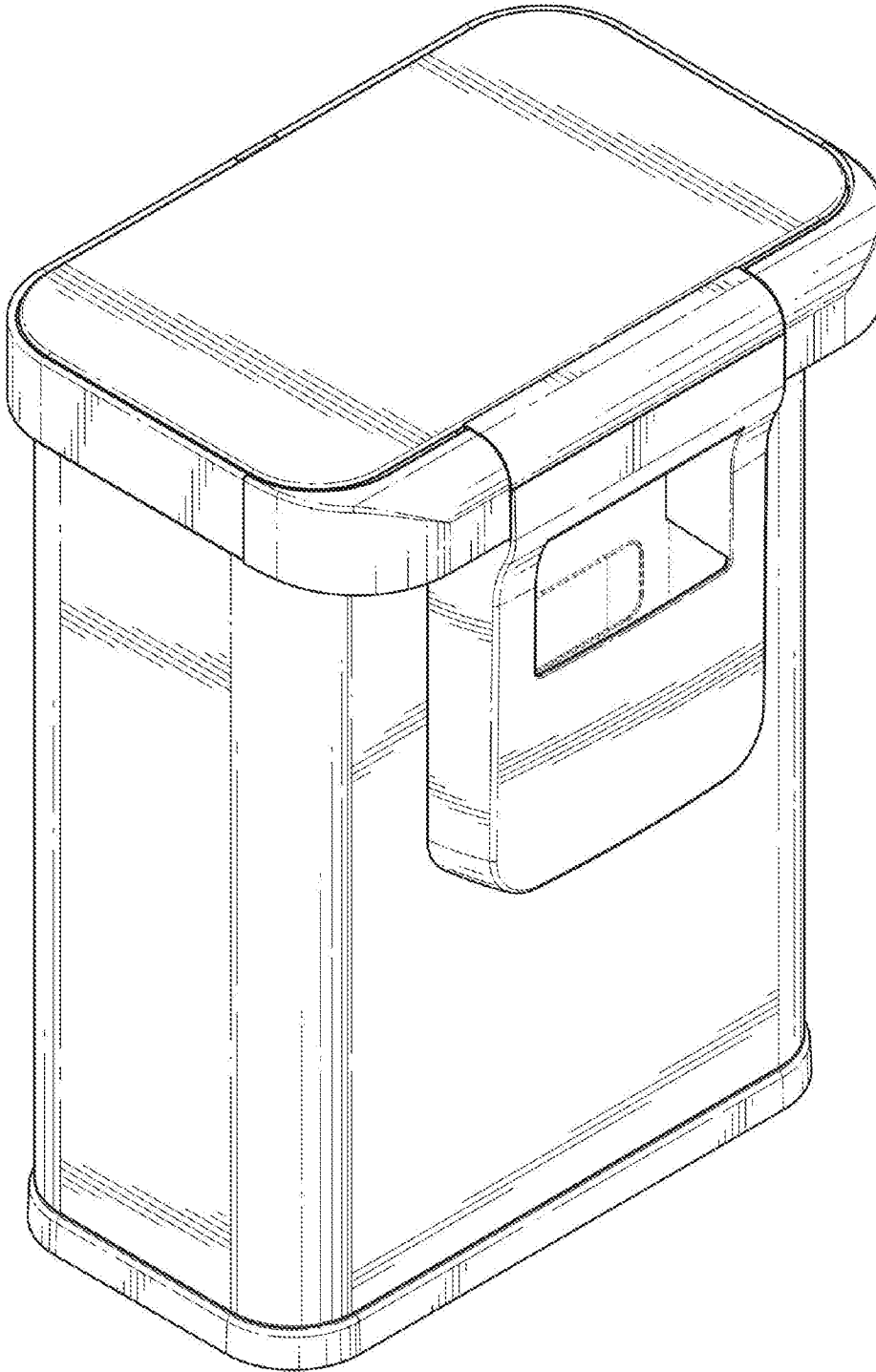
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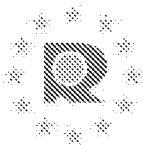
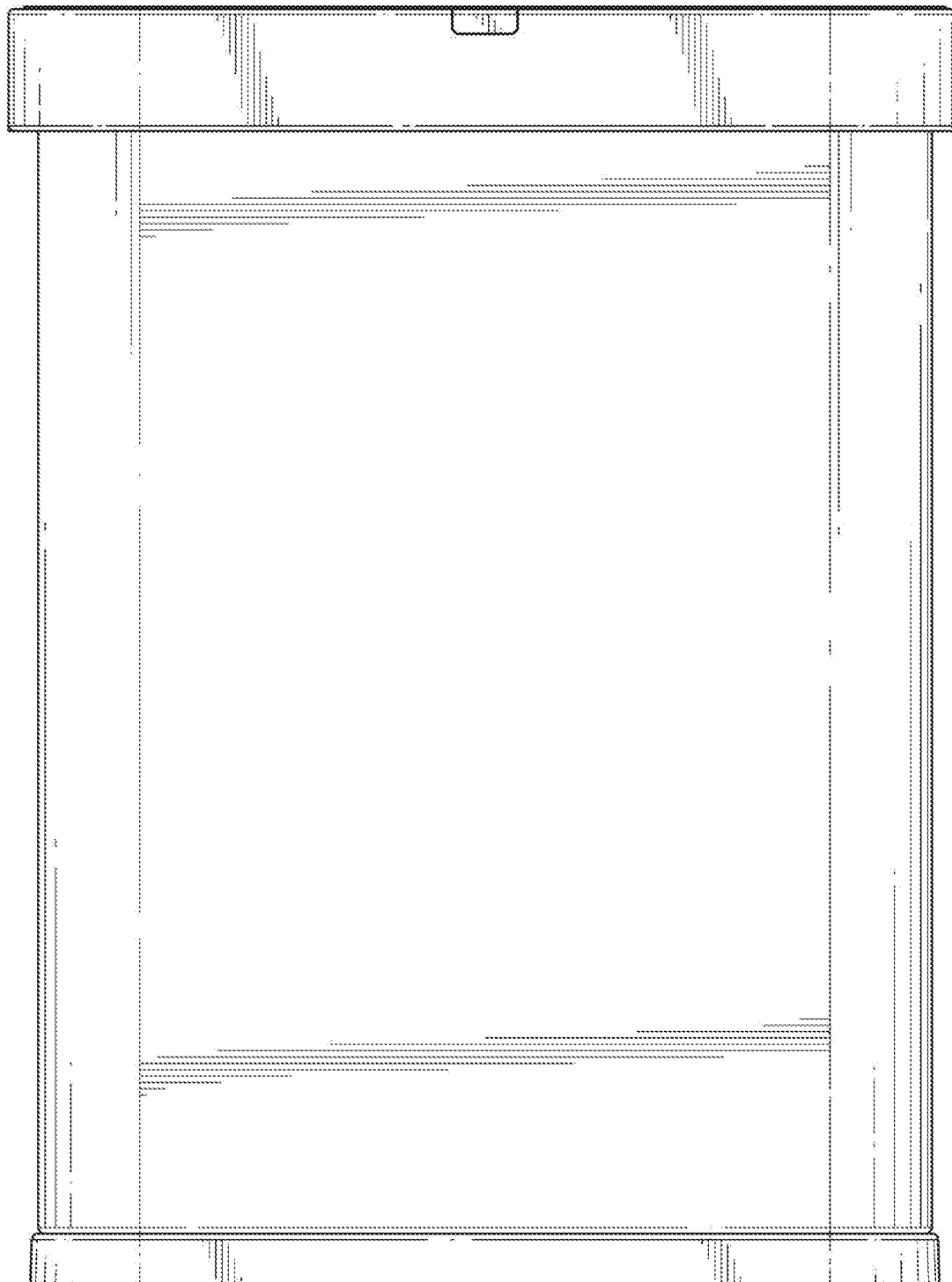
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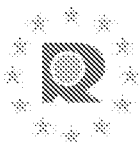
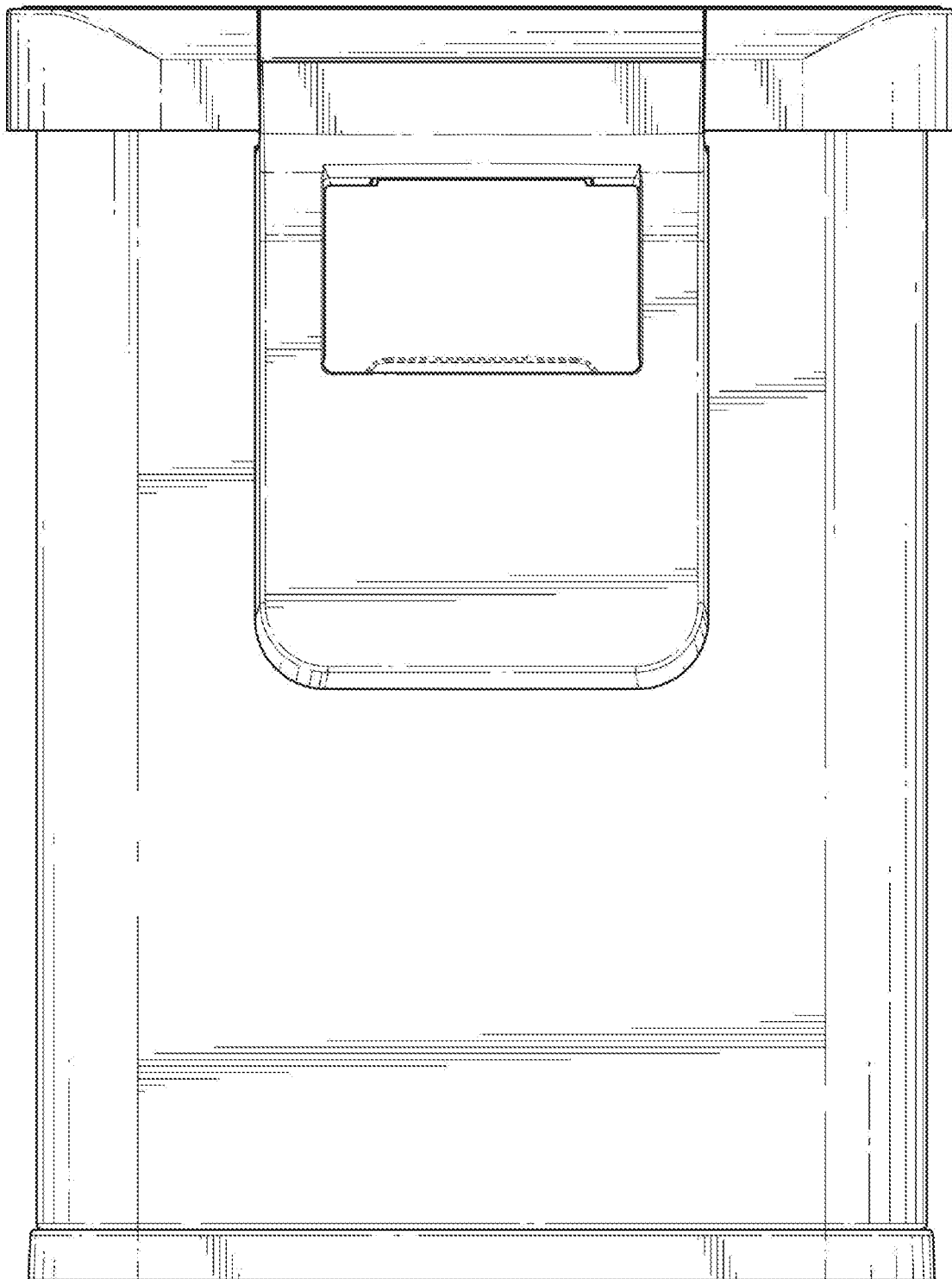
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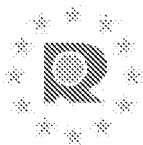
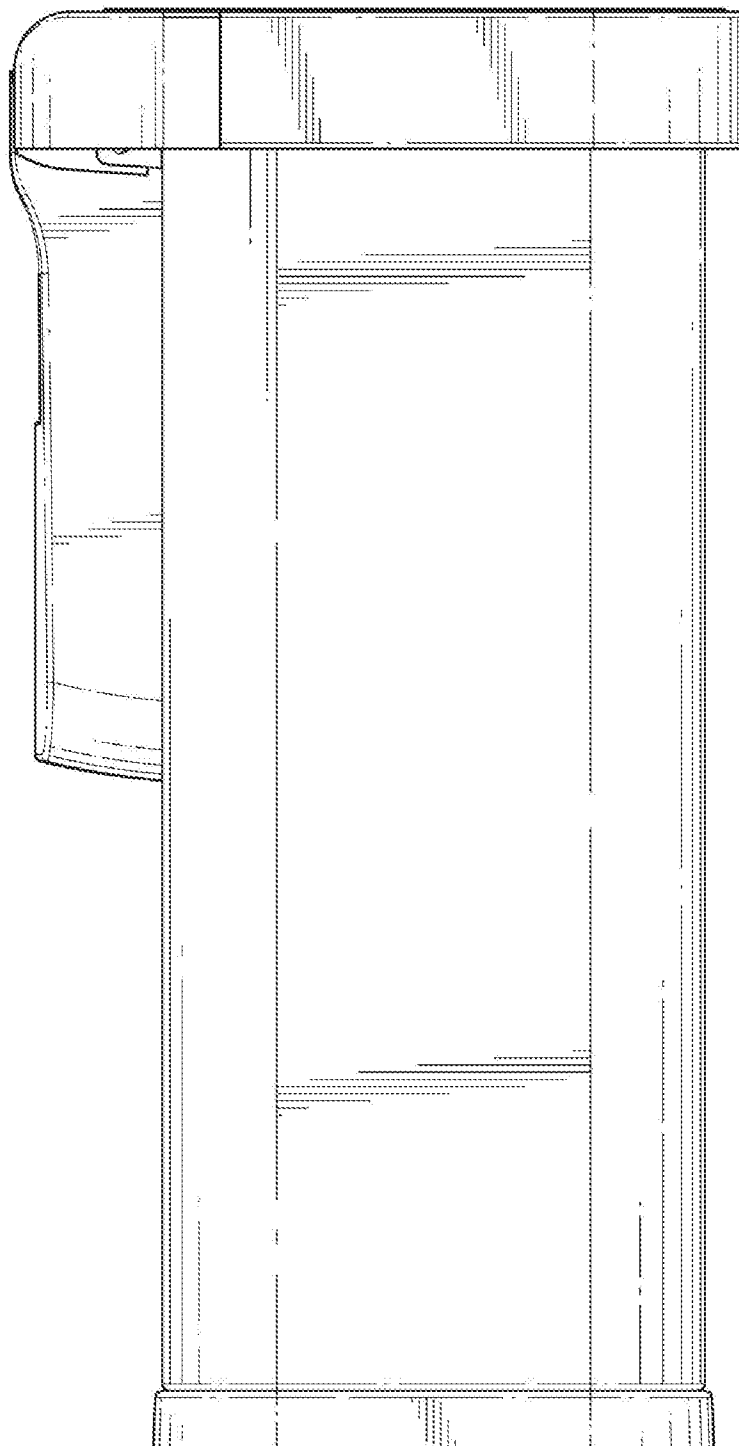
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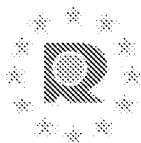
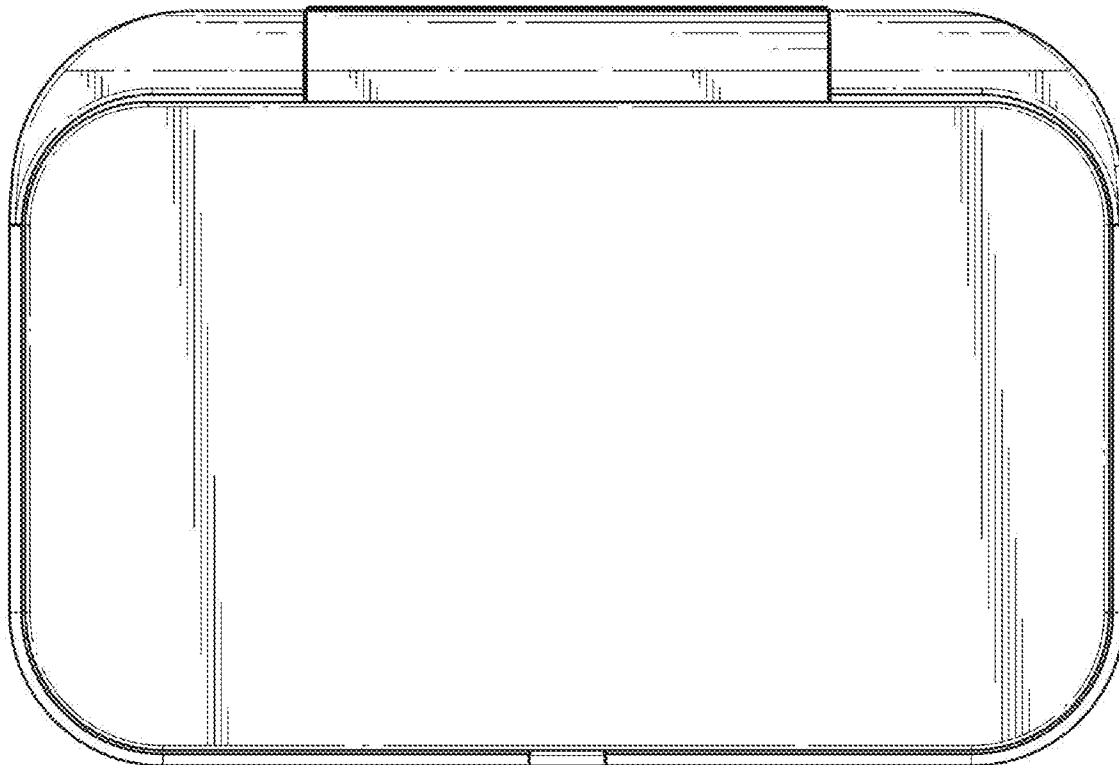
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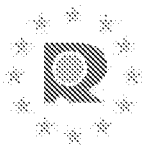
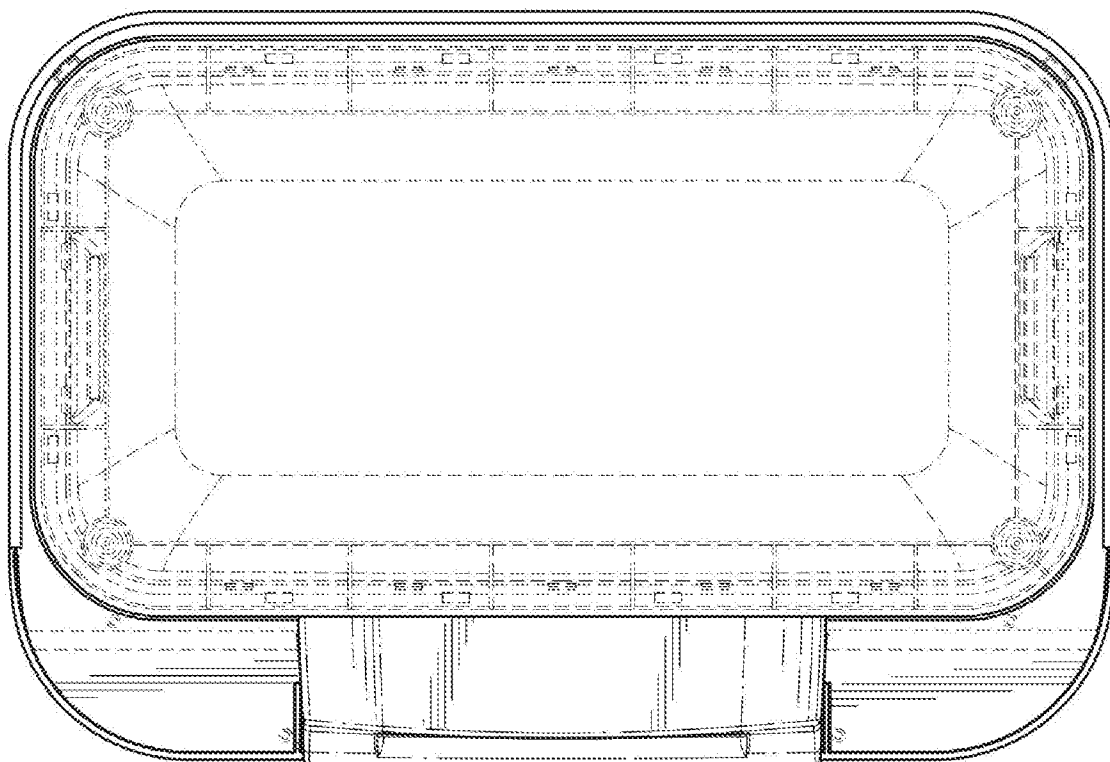
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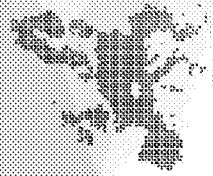
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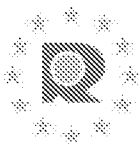
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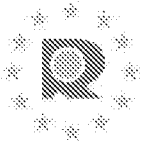
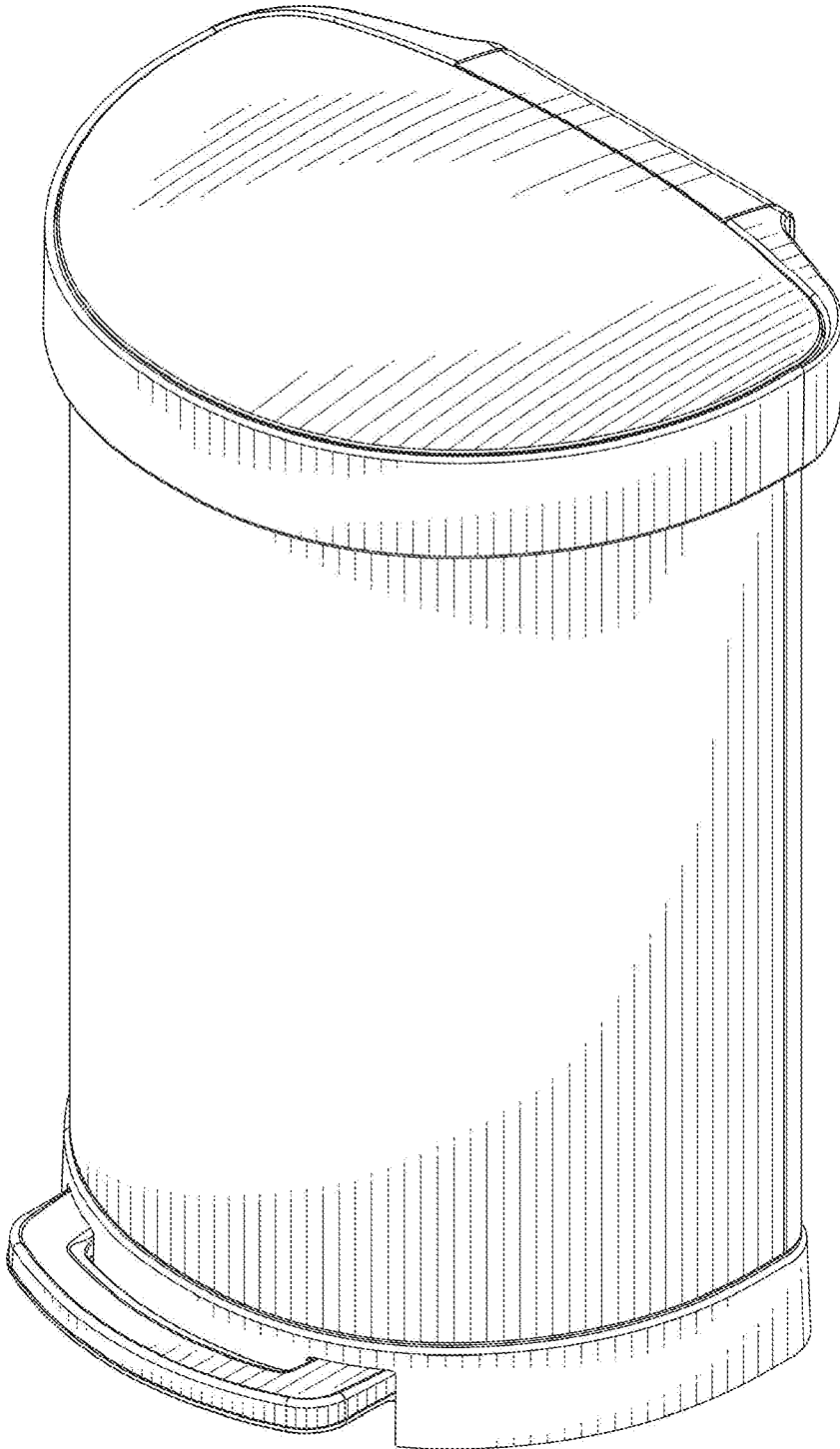
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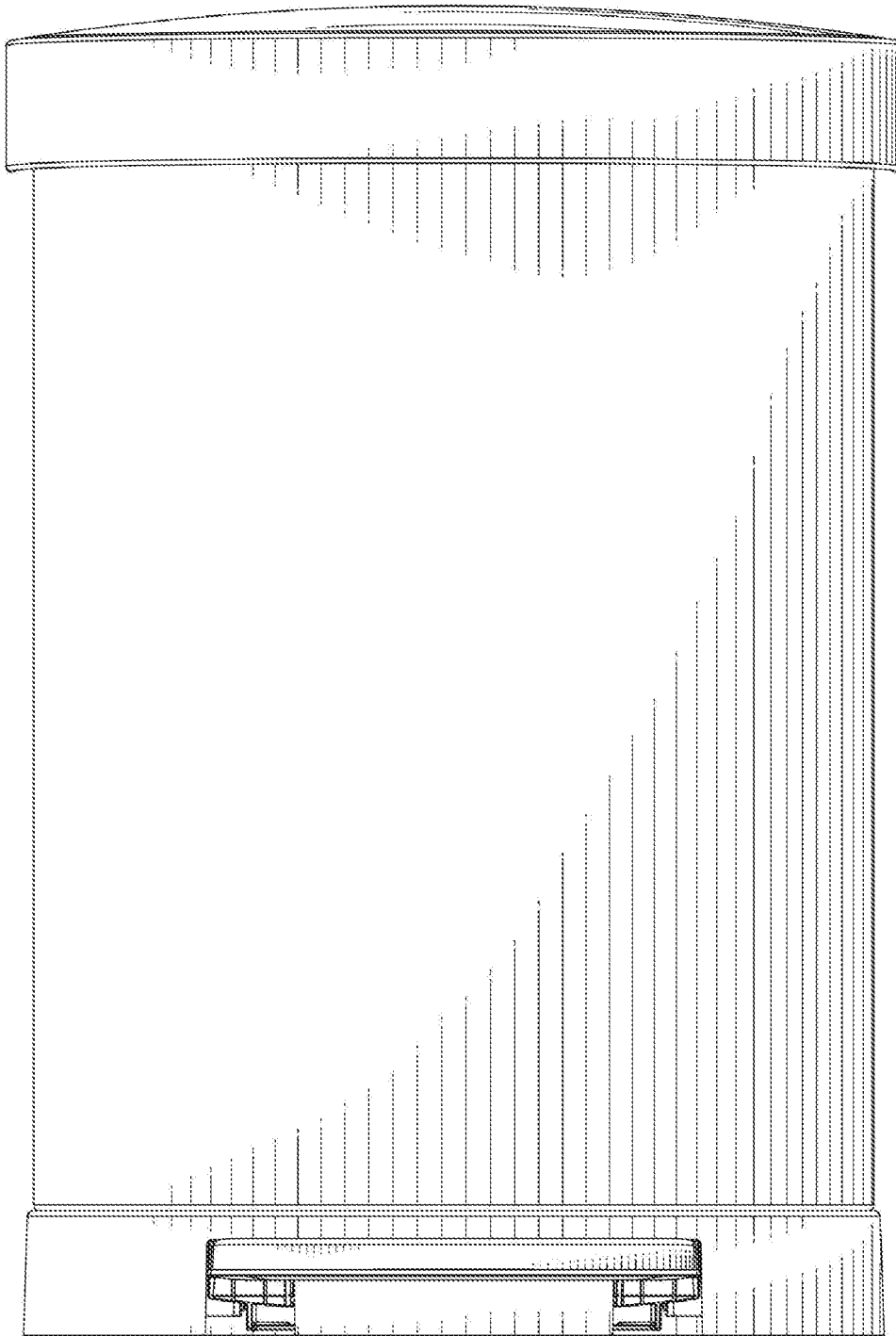
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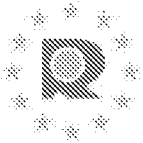
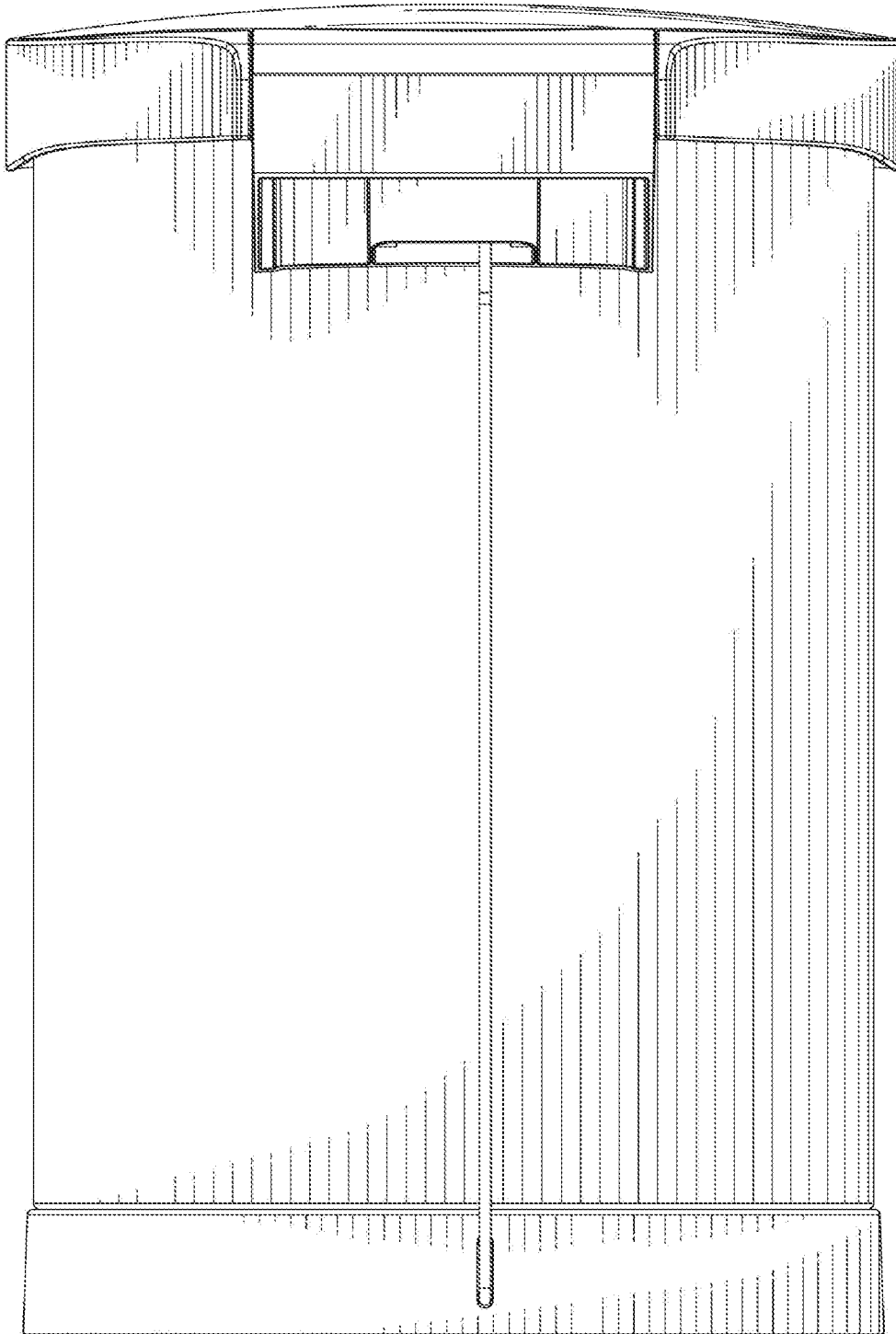
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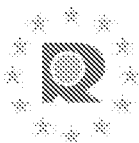
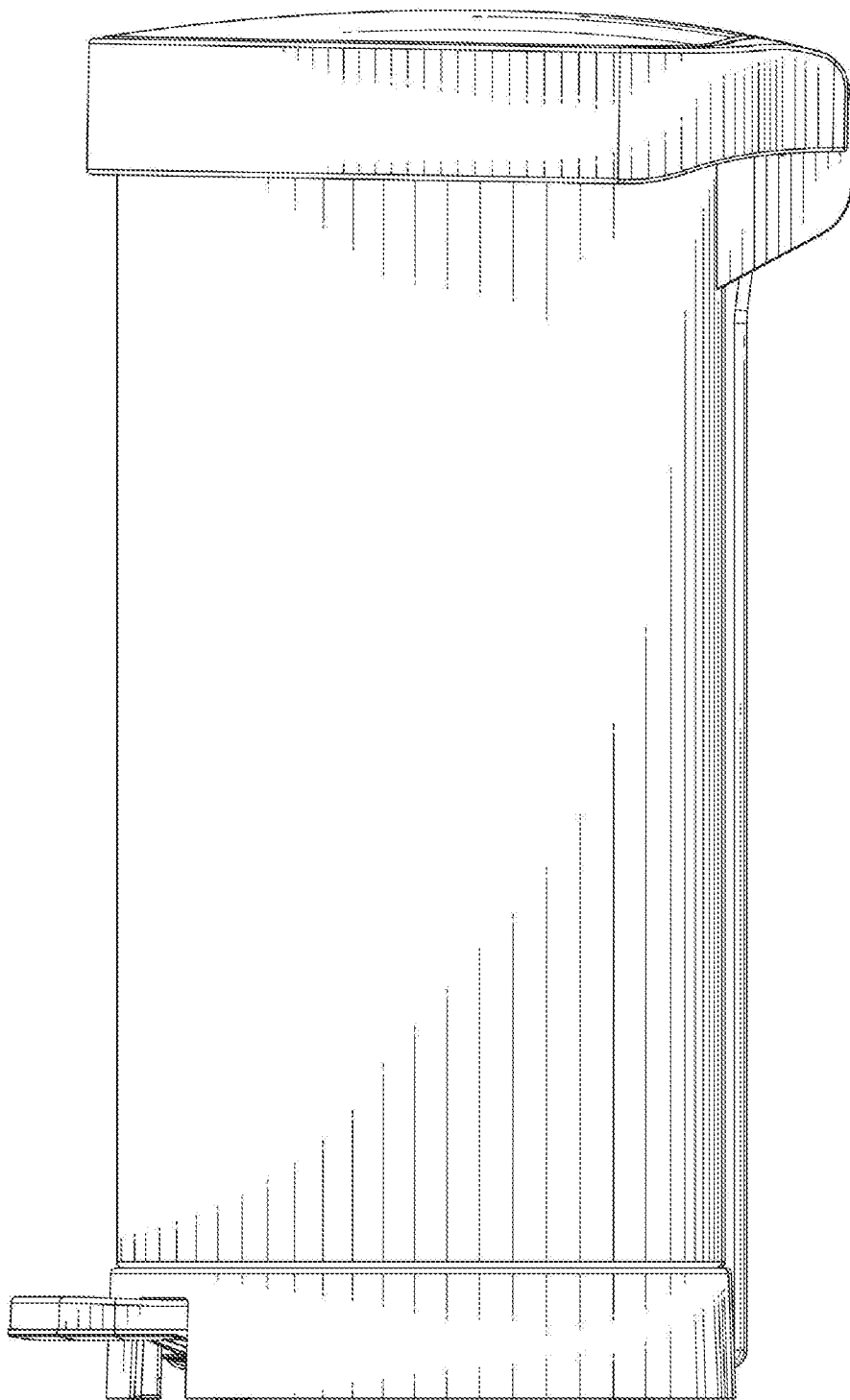
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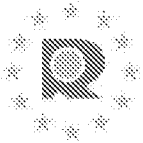
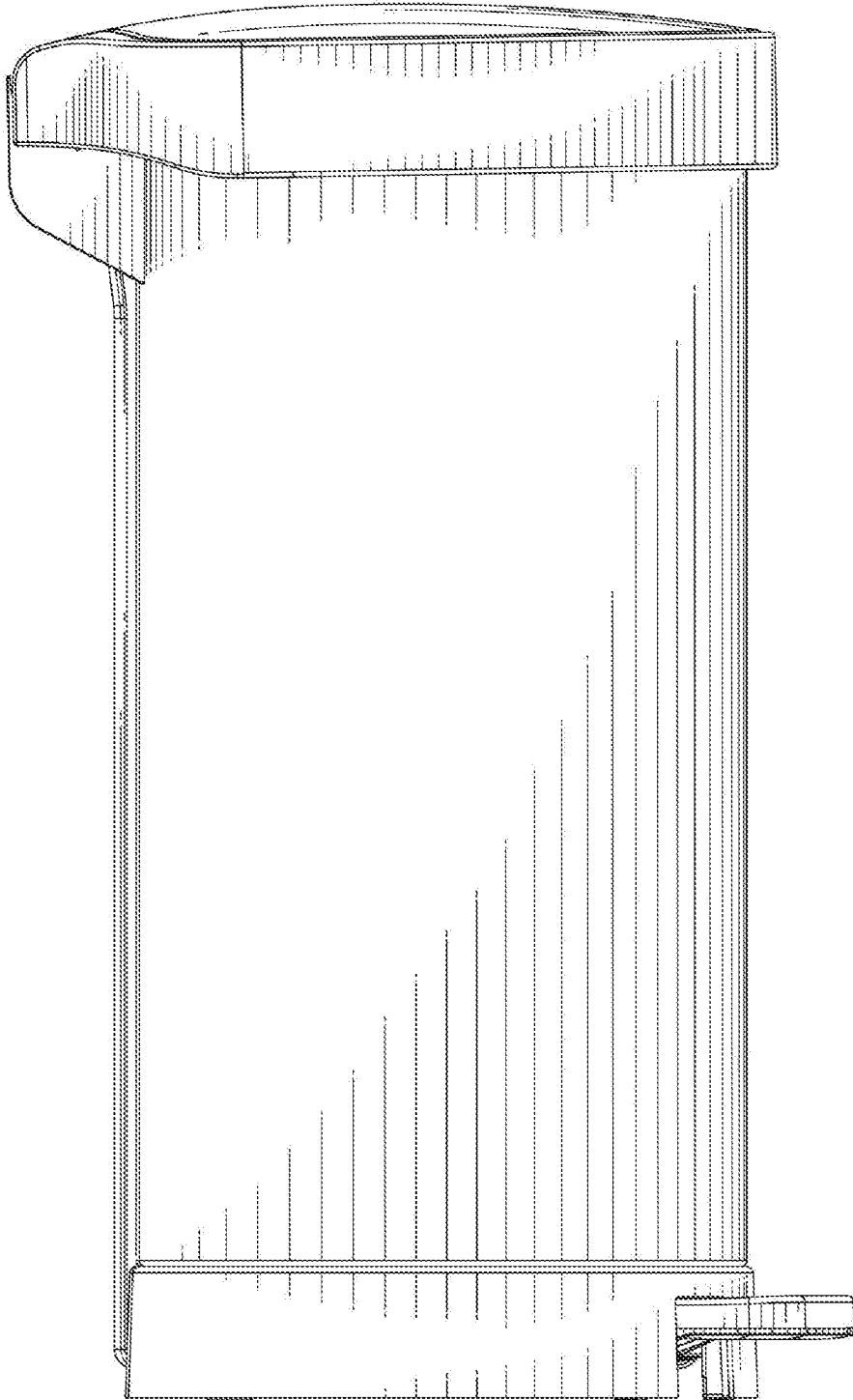
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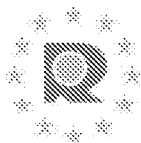
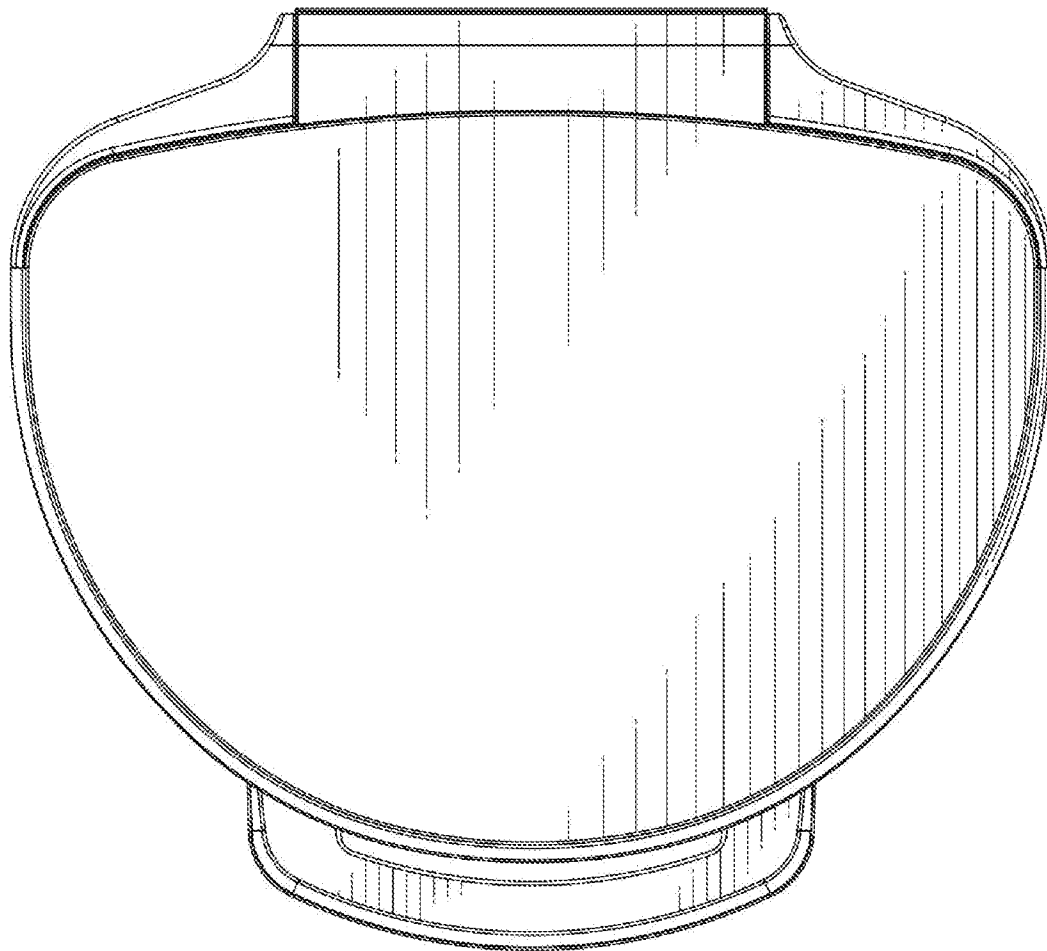
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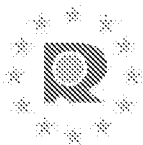
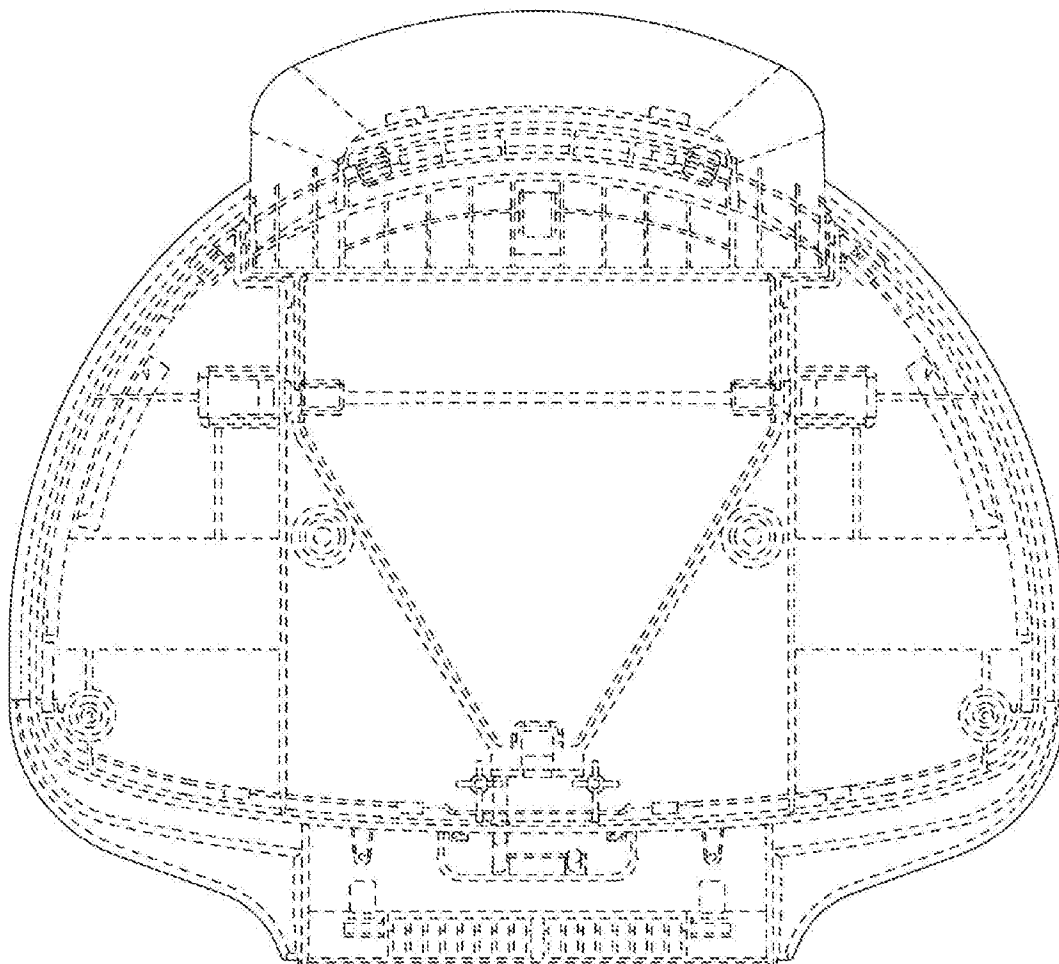
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(11)Publication number 2004-231237

(43)Date of publication of application 19.08.2004

(51)Int.Cl. B65D 43/26

B65F 1/00

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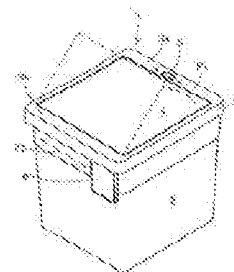
(22)Date of filing 30.01.2003

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SHIBUYA ATSUSHI



(54)STORAGE BOX WITH SENSOR

(57)Abstract

PROBLEM TO BE SOLVED: To provide a storage box with a sensor such as a dust box with an automatically opening/closing lid whose lid does not automatically open unintentionally even if the box is put in a cabinet.

SOLUTION: The storage box (1) with a sensor is put into the cabinet. It includes a first sensor (5) for controlling the automatic open/close operation of the lid (4) of the storage box and a second sensor (6) for preventing the lid from automatically opening/closing by the first sensor when at least part of the storage box is received in the cabinet. The second sensor is provided to be horizontally movable on a side face of the storage box.

(19) 日本国特許庁 (JP)

(12) 公開特許公報 (A)

(11) 特許出願公開番号

特開2004-231237

(P2004-231237A)

(43) 公開日 平成16年8月19日 (2004.8.19)

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B 6 5 F 1/00	B 6 5 F 1/00	A 3 E 0 8 4
B 6 5 F 1/16	B 6 5 F 1/16	

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(22) 出願日	平成15年1月30日 (2003.1.30)	(71) 出願人	503041546 株式会社トロイマー 東京都台東区柳橋1-2-12
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		F ターム (参考)	3E023 AA20 MA04 MB01

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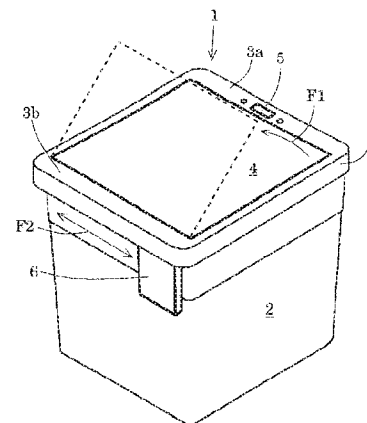
(54) 【発明の名称】 センサ付き収容箱

(57) 【要約】

【課題】 キャビネット内に収納しても蓋が意に反して自動的に開く恐れのない自動開閉蓋付きごみ箱のようなセンサ付き収容箱。

【解決手段】 キャビネット内に収納される収容箱 (1)。収容箱の蓋 (4) の自動的な開閉動作を制御するための第1センサ (5) と、収容箱の少なくとも一部がキャビネット内に収納されていることを感知したときに第1センサによる蓋の自動的な開閉動作を制止するための第2センサ (6) とを備えている。第2センサは、収容箱の側面において水平方向に移動可能に設けられている。

【選択図】 図1



【特許請求の範囲】

【請求項 1】

キャビネット内に収納される収容箱であって、
前記収容箱の蓋の自動的な開閉動作を制御するための第 1 センサと、
前記収容箱の少なくとも一部が前記キャビネット内に収納されていることを感知したときに前記第 1 センサによる前記蓋の自動的な開閉動作を制止するための第 2 センサとを備えていることを特徴とするセンサ付き収容箱。

【請求項 2】

前記第 2 センサは、前記収容箱の側面において水平方向に移動可能に設けられていることを特徴とする請求項 1 に記載のセンサ付き収容箱。

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【請求項 3】

前記収容箱は、ごみを収容するためのごみ箱であることを特徴とする請求項 1 または 2 に記載のセンサ付き収容箱。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】

本発明は、センサ付き収容箱に関し、特にキャビネット内に収納される自動開閉蓋付きごみ箱に関するものである。

【0002】

【従来の技術】

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従来、たとえば赤外線センサの作用により蓋の開閉を自動的に行うことのできるごみ箱が知られている。この種の自動開閉蓋付きごみ箱では、汚れた蓋を手で開けるときの抵抗感をなくすことができ、投入するごみにより蓋が汚れるのを実質的に防止することができる（実開平 7-9806 号公報を参照）。

【0003】

【特許文献 1】

実開平 7-9806 号公報

【0004】

【発明が解決しようとする課題】

一般に、様々な場所および状況において、ごみ箱を人目に触れさせたくないという潜在的なユーザーニーズがある。したがって、たとえばシステムキッチンのキャビネット内に上述の自動開閉蓋付きごみ箱を収納することができれば、美観を確保することができることも非常に便利である。

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【0005】

しかしながら、従来の自動開閉蓋付きごみ箱をキャビネット内に収納しようとする、赤外線センサがキャビネットの天板などに反応して蓋が自動的に開く恐れがある。その結果、ごみ箱からの臭気がキャビネット内に充満し、さらにはその臭気がキャビネットから室内へ漏れることになるので、従来の自動開閉蓋付きごみ箱をキャビネット内に収納することができなかった。また、ごみ箱の収納に際して蓋が意に反して自動的に開くと、キャビネットや蓋が傷付き易い。

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【0006】

本発明は、前述の課題に鑑みてなされたものであり、キャビネット内に収納しても蓋が意に反して自動的に開く恐れのない自動開閉蓋付きごみ箱のようなセンサ付き収容箱を提供することを目的とする。

【0007】

【課題を解決するための手段】

前記課題を解決するために、本発明では、キャビネット内に収納される収容箱であって、前記収容箱の蓋の自動的な開閉動作を制御するための第 1 センサと、前記収容箱の少なくとも一部が前記キャビネット内に収納されていることを感知したときに前記第 1 センサによる前記蓋の自動的な開閉動作を制止するための第 2 センサとを備え

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ていることを特徴とするセンサ付き収容箱を提供する。

【0008】

本発明の好ましい態様によれば、前記第2センサは、前記収容箱の側面において水平方向に移動可能に設けられている。また、前記収容箱は、ごみを収容するためのごみ箱であることが好ましい。

【0009】

【発明の実施の形態】

本発明のセンサ付き収容箱は、キャビネット内に収納される収容箱であり、たとえば赤外線センサのような第1センサの作用により蓋の自動的な開閉動作を制御するように構成されている。本発明では、第1センサとは別に、たとえば赤外線センサのような第2センサが付設され、この第2センサの作用により、収容箱の少なくとも一部がキャビネット内に収納されていることを感知したときに第1センサによる蓋の自動的な開閉動作を制止する。

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【0010】

こうして、本発明では、キャビネット内に収容箱を収納する際に第1センサがキャビネットの天板などを感知しても、収容箱の少なくとも一部がキャビネット内に収納されていることをすでに感知した第2センサの作用により、第1センサによる蓋の自動的な開閉動作が制止される。その結果、たとえば本発明の収容箱がごみ箱である場合、キャビネット内へのごみ箱の収納に際して蓋が意に反して自動的に開く恐れがなく、収納されたごみ箱からの臭気がキャビネット内に充満したり、その臭気がキャビネットから室内へ漏れたりすることがない。

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【0011】

なお、本発明では、第2センサは、収容箱の側面において水平方向に移動可能に設けられていることが好ましい。この構成により、キャビネット内に収納される収容箱の向きを変えても、第2センサの水平方向位置を変化させることにより、第1センサがキャビネットの天板などを感知する前に、収容箱の少なくとも一部がキャビネット内に収納されていることを第2センサが感知するように設定することができる。その結果、キャビネット内に収納される収容箱の向きを、ひいては蓋の開き方向を適宜変えることができ、収容箱の使い勝手が向上する。

【0012】

本発明の実施形態を、添付図面に基づいて説明する。

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図1は、本発明の実施形態にかかるセンサ付き収容箱の構成を概略的に示す図である。また、図2は、本実施形態のセンサ付き収容箱をキャビネット内に収納する様子を概略的に示す図である。本実施形態では、システムキッチンのベースキャビネット内に収納される自動開閉蓋付きごみ箱に本発明を適用している。

【0013】

図1を参照すると、本実施形態のセンサ付きごみ箱1は、ごみを収容するための立方体状の内容積を有する本体2と、本体2の上部に設けられた矩形状の上枠3と、上枠3の内側に設けられた蓋4とにより構成されている。上枠3の一辺3aのほぼ中央には、ごみ箱1の蓋4の自動的な開閉動作を制御するための第1センサとして、たとえば鉛直方向に赤外線を照射する赤外線センサ（開閉センサ）5が設けられている。

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【0014】

したがって、たとえば赤外線センサ5の上方に手をかざすと赤外線センサ5が手を感知し、赤外線センサ5の感知に応答して作動する電動モーター（不図示）の作用により、蓋4が矢印F1で示す方向（開き方向）に沿って自動的に開く。なお、センサの感知に応答して蓋が自動的に開閉する機構およびその制御系については公知であり、この機構および制御系に関する詳細な説明および図示を省略する。

【0015】

また、本実施形態のセンサ付きごみ箱1は、ごみ箱1の少なくとも一部がキャビネット内に収納されていることを感知したときに赤外線センサ5による蓋4の自動的な開閉動作を

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制止するための第2センサとして、たとえば水平方向に赤外線を照射する赤外線センサ（開閉制止センサ）6を備えている。換言すれば、ごみ箱1の少なくとも一部がキャビネット内に収納されていることを赤外線センサ6が感知した場合、赤外線センサ6の出力を受けた制御系が、赤外線センサ5の出力にかかわらず電動モーターの作動を制止する。

【0016】

赤外線センサ6は、ごみ箱1の側面において水平方向に移動可能に設けられている。具体的には、赤外線センサ6は、たとえば光透過性のケースに収納された状態で、赤外線センサ5が設けられた上枠3の一辺3aと対向する一辺3bから吊り下げられている。そして、ケースに収納された赤外線センサ6は、上枠3の一辺3bをガイドとして、矢印F2で示す方向に沿って往復移動できるように構成されている。

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【0017】

図2を参照すると、キャスター付きのワゴン10に本実施形態のセンサ付きごみ箱1を載置して、システムキッチンベースキャビネット11内に収納する様子が示されている。図2に示す構成では、ワゴン10よりも左側に人が立つことになるので、蓋4が人に向かって開いてごみの投入が容易になるように、すなわち赤外線センサ5が設けられた上枠3の一辺3aがワゴン10の左側に位置するように、ごみ箱1がワゴン10上に載置される。

【0018】

一方、赤外線センサ5がベースキャビネット11の天板11aなどを感知する前に、ごみ箱1の少なくとも一部がベースキャビネット11内に収納されていることを赤外線センサ6が感知するように、すなわち赤外線センサ6がキャビネット側板11bなどを感知するように、ごみ箱1をワゴン10上に載置した状態において赤外線センサ6が最も奥側に位置するように設定されている。

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【0019】

以上のように、本実施形態では、ベースキャビネット11内にごみ箱1を収納する際に赤外線センサ5がベースキャビネット11の天板11aなどを感知しても、キャビネット側板11bなどをすでに感知し、ひいてはごみ箱1の少なくとも一部がベースキャビネット11内に収納されていることをすでに感知した赤外線センサ6の作用により、赤外線センサ5による蓋4の自動的な開閉動作が制止される。

【0020】

その結果、ベースキャビネット11内へのごみ箱1の収納に際して蓋4が意に反して自動的に開く恐れがなく、収納されたごみ箱1からの臭気がベースキャビネット11内に充満したり、その臭気がベースキャビネット11から室内へ漏れたりすることがない。また、前述したように、本実施形態のセンサ付きごみ箱1では、赤外線センサ5の作用により蓋4が自動的に開くので、汚れた蓋を手で開けるときの抵抗感をなくすることができ、投入するごみにより蓋が汚れるのを実質的に防止することができる。さらに、ごみ箱1がベースキャビネット11内に収納されるので、システムキッチン周りの美観を確保することができる。

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【0021】

ところで、図2に示す構成では、ワゴン10よりも左側に人が立つことになるので、赤外線センサ5がワゴン10の左側に位置するようにごみ箱1をワゴン10上に載置する例が示されている。しかしながら、ワゴン10よりも右側に人が立つ構成では、赤外線センサ5がワゴン10の右側に位置するようにごみ箱1をワゴン10上に載置することになる。この場合、赤外線センサ6がごみ箱1の側面において水平方向に移動可能に設けられているので、赤外線センサ6を図2に示す位置と反対側（図2中最も手前側）に移動させることにより、赤外線センサ5がワゴン10の右側に位置するようにごみ箱1の向きを変えても赤外線センサ6を最も奥側に位置決めすることができる。

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【0022】

その結果、ごみ箱1の向きにかかわらず、赤外線センサ5がベースキャビネット11の天板11aなどを感知する前に、ごみ箱1の少なくとも一部がベースキャビネット11内に

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収納されていることを赤外線センサ6が感知するように設定することができる。換言すれば、赤外線センサ6がごみ箱1の側面において水平方向に移動可能に設けられているので、ベースキャビネット11内に収納されるごみ箱1の向きを、ひいては蓋4の開き方向F1を適宜変えることができ、ごみ箱1の使い勝手が向上する。

【0023】

なお、上述の実施形態では、キャビネット内に収納される自動開閉蓋付きごみ箱に本発明を適用しているが、これに限定されることなく、他の一般的な自動開閉蓋付き収容箱、たとえば湿気から保護すべき乾物（海苔、お茶など）を収容するための除湿ユニットなどに対して本発明を適用することもできる。

【0024】

また、上述の実施形態では、キャスター付きのワゴンに収容箱を載置してキャビネット内に収納しているが、これに限定されることなく、たとえばキャビネットの引き出し内に収容箱を設置してキャビネット内に収納することもできる。また、上述の実施形態では、赤外線センサ6がスライド式に往復移動できるように構成されているが、これに限定されることなく、間隔を隔てた2つの取付け位置に赤外線センサ6を付け替える方式を採用することもできる。

【0025】

また、上述の実施形態では、システムキッチンのベースキャビネット内に収納される収容箱に本発明を適用しているが、これに限定されることなく、たとえば洗面化粧台のベースキャビネットや他の一般的なキャビネット内に収納される収容箱に本発明を適用することもできる。

【0026】

【発明の効果】

以上説明したように、本発明では、キャビネット内に収容箱を収納する際に第1センサがキャビネットの天板などを感知しても、収容箱の少なくとも一部がキャビネット内に収納されていることをすでに感知した第2センサの作用により、第1センサによる蓋の自動的な開閉動作が制止される。その結果、キャビネット内への収容箱の収納に際して、蓋が意に反して自動的に開く恐れがなく、たとえば本発明の収容箱がごみ箱である場合、収納されたごみ箱からの臭気がキャビネット内に充満したり、その臭気がキャビネットから室内へ漏れたりすることがない。また、衛生的な環境を実現するとともに、美観を確保することができる。

【0027】

また、第2センサが収容箱の側面において水平方向に移動可能に設けられる構成により、キャビネット内に収納される収容箱の向きを変えても第2センサの水平方向位置を変化させることにより、第1センサがキャビネットの天板などを感知する前に、収容箱の少なくとも一部がキャビネット内に収納されていることを第2センサが感知するように設定することができる。その結果、キャビネット内に収納される収容箱の向きを、ひいては蓋の開き方向を適宜変えることができ、収容箱の使い勝手が向上する。

【図面の簡単な説明】

【図1】本発明の実施形態にかかるセンサ付き収容箱の構成を概略的に示す図である。

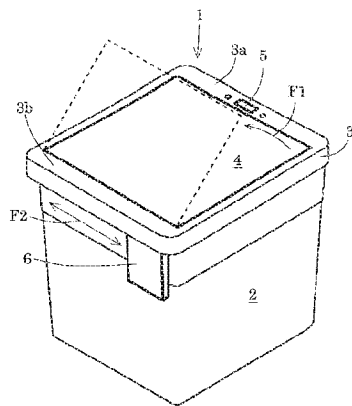
【図2】本実施形態のセンサ付き収容箱をキャビネット内に収納する様子を概略的に示す図である。

【符号の説明】

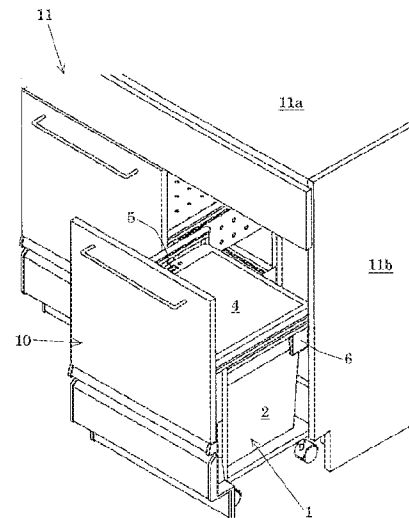
- 1 センサ付きごみ箱
- 2 本体
- 3 上枠
- 4 蓋
- 5 赤外線センサ（開閉センサ：第1センサ）
- 6 赤外線センサ（第2センサ）
- 10 ワゴン

1 1 ベースキャビネット

【図 1】



【図 2】



フロントページの続き

F ターム(参考) 3E084 AA05 AA14 AB07 AB10 BA02 CA03 DA03 DB11 FA06 GA06
GB06 GB30 JA20

INFORMATION DISCLOSURE STATEMENT

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Examiner : Kevin Charles Castillo
Art Unit : 3781
Conf. No. : 1009

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

References and Listing

An Information Disclosure Statement (IDS) listing references is provided herewith. To the extent that anything in the IDS or the listed references could be construed as a disclaimer of any subject matter supported by the present application, Applicant hereby rescinds and retracts such disclaimer. Citation Nos. 31, 32, 37, and 43 include English abstracts, but no representation is made as to their accuracy. If the Examiner would like additional information or if anything is unclear, the Examiner is invited to contact the undersigned for assistance.

Patents and Co-Pending Applications of Assignee

At least the following are patents and co-pending applications that are assigned to, or that the inventors are believed to have a duty to assign to, the entity to which the present application is assigned or to which the inventors are believed to have a duty to assign:

<i>Cite No.</i>	<i>Application No. Attorney Docket No.</i>	<i>Patent/Pub No.</i>
3	13/788,778 SHUMAN.123A	9,481,515
4	14/198,460 SHUMAN.066C1	9,573,759
5	14/856,309 SHUMAN.192A	9,586,755
18	29/519,549 SHUMAN.153DA2	D771,344

Application No.: 13/787,638
Filing Date: March 6, 2013

<i>Cite No.</i>	<i>Application No. Attorney Docket No.</i>	<i>Patent/Pub No.</i>
19	29/563,650 SHUMAN.153DA2D1	D773,145
24	15/265,455 SHUMAN.192P1	2017/0096299
25	29/584,385 SHUMAN.213DA	N/A
26	15/448,245 SHUMAN.202A	N/A
27	15/476,285 SHUMAN.136C1	N/A

Applicant respectfully directs the Examiner to the above-indicated patents and applications so that the Examiner can consider whether the subject matter claimed in those cases, now or as may be amended in the future, as well as the associated prosecution history, now or in the future, may be relevant to the patentability of the present application (e.g., for reasons of obviousness-type double patenting). Applicant believes that the Examiner has access to these patents and applications, and their associated file histories, through Patent Office systems (e.g., the IFW system). Accordingly, Applicant has not provided copies of these patents and applications, nor their associated file histories, but would be glad to do so upon request.

Timing of Disclosure

This IDS is being filed after receipt of a First Office Action, but before the mailing date of a Final Action and before the mailing date of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 CFR 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 15, 2017

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25927536

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang, et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 1 OF 2	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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	25	Application No. 29/584,385 (Atty. Docket: SHUMAN.213DA)	Filed 11-14-2016	Yang et al.	
	26	Application No. 15/448,245 (Atty. Docket: SHUMAN.202A)	Filed 03-02-2017	Yang et al.	
	27	Application No. 15/476,285 (Atty. Docket: SHUMAN.136C1)	Filed 03-31-2017	Yang et al.	

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang, et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 2 OF 2	Attorney Docket No.	SHUMAN.122A

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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
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Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
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Filer:		Jason R. Swartz/Linh Do			
Attorney Docket Number:		SHUMAN.122A			
Filed as Small Entity					
Filing Fees for Utility under 35 USC 111(a)					
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:					
Pages:					
Claims:					
Miscellaneous-Filing:					
Petition:					
Patent-Appeals-and-Interference:					
Post-Allowance-and-Post-Issuance:					
Extension-of-Time:					

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension - 2 months with \$0 paid	2252	1	300	300
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	2806	1	90	90
Total in USD (\$)				390

Electronic Acknowledgement Receipt

EFS ID:	29211919
Application Number:	13787638
International Application Number:	
Confirmation Number:	1009
Title of Invention:	TRASH CAN WITH CLUTCH MECHANISM
First Named Inventor/Applicant Name:	Frank Yang
Customer Number:	20995
Filer:	Jason R. Swartz/Heather OBrien
Filer Authorized By:	Jason R. Swartz
Attorney Docket Number:	SHUMAN.122A
Receipt Date:	15-MAY-2017
Filing Date:	06-MAR-2013
Time Stamp:	17:40:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$390
RAM confirmation Number	051617INTEFSW17404400
Deposit Account	111410
Authorized User	Heather OBrien

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

VOLUME DISTRIBUTORS, Ex. 1004

VOLUME DISTRIBUTORS, INC. v. SIMPLEHUMAN LLC, IPR2024-00050

Page 2125 of 2185

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Response.pdf	116710	yes	13
			b9ead481e9d474a29e077b7e967ee0377cf93fbb		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	8	
	Applicant summary of interview with examiner		9	9	
	Applicant Arguments/Remarks Made in an Amendment		10	13	
Warnings:					
Information:					
2	Foreign Reference	CA164264_SHUMAN153XCA3.pdf	7755724	no	14
			b5b4a7315009bbfaa17b475ab8f6c344efaa8b63		
Warnings:					
Information:					
3	Foreign Reference	CA164265_SHUMAN153XCA2.pdf	7433268	no	13
			b647d94da6bf1082fe8e407f071cf24daed140b2		
Warnings:					
Information:					
4	Foreign Reference	CA167073_SHUMAN153XCA2D.pdf	7341814	no	13
			37b00a0a7520f8d546a8e7b19fc37e3d821039ba		
Warnings:					
Information:					

5	Foreign Reference	CN201105898Y_wAbstract.pdf	1414389	no	15
			f7b7c12328e28f05472053fed3e8ae020647b3cb		
Warnings:					
Information:					
6	Foreign Reference	CN201512253U_wAbstract.pdf	764322	no	10
			32be943c2b856eec4a7148b2d2be2ba37dec213c		
Warnings:					
Information:					
7	Foreign Reference	CN303967208S_SHUMAN194X CN.pdf	1158398	no	4
			83d279dca4a854e16040c442a3e237a6689180ff		
Warnings:					
Information:					
8	Foreign Reference	CN304018339S_SHUMAN202X CN.pdf	1254730	no	3
			0a78480d0aea2a8d8ad3e0d09ff85589cdec0899		
Warnings:					
Information:					
9	Foreign Reference	CN304018340S_SHUMAN204X CN.pdf	1202034	no	3
			e7e106e99f2eff4e7b43e8e254026dc934669066		
Warnings:					
Information:					
10	Foreign Reference	DE10337806A1_wAbstract.pdf	998528	no	9
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Warnings:					
Information:					
11	Foreign Reference	EP3144251A1_SHUMAN192EP. pdf	2708898	no	72
			bac2a5f31ff72ed8bb9dca703257911c44d0a5d6		
Warnings:					
Information:					

12	Foreign Reference	EP003177500_0001_SHUMAN1 94XEM.pdf	2100281	no	9
			04ff5043e9e384cc0d9f4828d728557d9c897d44		
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Information:					
13	Foreign Reference	EP003177500_0002_SHUMAN1 94XEM2.pdf	2339692	no	9
			32240f267e30f2da77eb762222d6f171e437b762		
Warnings:					
Information:					
14	Foreign Reference	EP003362235_0001_SHUMAN2 04XEM.pdf	3818626	no	9
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Warnings:					
Information:					
15	Foreign Reference	EP003362052_0001_SHUMAN2 02XEM.pdf	4360512	no	9
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Warnings:					
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Information:					
17	Non Patent Literature	083016_OA_wTranslation_SHUMAN122CN.pdf	1302457	no	17
			1e529961f60e658ce3c713560b514b3cdf8675c0		
Warnings:					
Information:					
18	Non Patent Literature	012517_OA_wTranslation_SHUMAN122CN.pdf	1385524	no	18
			80c985f79b862ecf34342dcb786e2969c69fab19		
Warnings:					
Information:					

19		IDS.pdf	57816	yes	4						
			5400cff2b13e48af3b6be998092ab7ec3df11039								
	Multipart Description/PDF files in .zip description										
	Document Description		Start	End							
	Transmittal Letter		1	2							
	Information Disclosure Statement (IDS) Form (SB08)		3	4							
Warnings:											
Information:											
20	Fee Worksheet (SB06)	fee-info.pdf	32423	no	2						
			9c76988e02d501ad9358c11fb756c7f0896f1966								
Warnings:											
Information:											
Total Files Size (in bytes):			47818855								
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>											



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

20995 7590 06/28/2017
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER

CASTILLO, KEVIN CHARLES

ART UNIT

PAPER NUMBER

3781

DATE MAILED: 06/28/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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13/787,638

03/06/2013

Frank Yang

SHUMAN.122A

1009

TITLE OF INVENTION: TRASH CAN WITH CLUTCH MECHANISM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	09/28/2017

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax **(571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

20995 7590 06/28/2017
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/787,638	03/06/2013	Frank Yang	SHUMAN.122A	1009

TITLE OF INVENTION: TRASH CAN WITH CLUTCH MECHANISM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	09/28/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
CASTILLO, KEVIN CHARLES	3781	220-211000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/787,638	03/06/2013	Frank Yang	SHUMAN.122A	1009

20995 7590 06/28/2017
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2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER

CASTILLO, KEVIN CHARLES

ART UNIT	PAPER NUMBER
----------	--------------

3781

DATE MAILED: 06/28/2017

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 13/787,638	Applicant(s) YANG ET AL.	
	Examiner KEVIN CASTILLO	Art Unit 3781	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/15/2017.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 7-13, 25-33, 35-53. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some *c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. ☐ Notice of References Cited (PTO-892) | 5. ☐ Examiner's Amendment/Comment |
| 2. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. ☒ Examiner's Statement of Reasons for Allowance |
| 3. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. ☐ Other _____. |
| 4. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/JEFFREY ALLEN/
Primary Examiner, Art Unit 3781

Allowable Subject Matter

1. Claims 7-13, 25-33, 35-53 are allowed.
2. The following is an examiner's statement of reasons for allowance: The prior art, either alone or on combination, does not disclose a trash can assembly comprising: a body component; a lid mounted relative to the body component and configured to move between open and closed positions, the lid having a lid driving mechanism; a power operated driving mechanism comprising a motor coupled with a shaft; a clutch mechanism engageable with the lid driving mechanism, the clutch mechanism configured to receive torque from the motor and to transmit the torque to the lid driving mechanism to move the lid between the open and closed positions; and a biasing member configured to bias the clutch mechanism into engagement with an end member of the power operated driving mechanism; wherein the lid driving mechanism and the clutch mechanism are configured to engage, and wherein the clutch mechanism is configured to translate along, and rotate about, the shaft in the assembled trash can assembly.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KEVIN CASTILLO whose telephone number is

Art Unit: 3781

(571)270-7623. The examiner can normally be reached on Monday - Thursday 9:00AM - 5:00 PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fenn Mathew can be reached on 571-272-4978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/K. C./
Examiner, Art Unit 3781

/JEFFREY ALLEN/

Application/Control Number: 13/787,638

Page 4

Art Unit: 3781

Primary Examiner, Art Unit 3781

INFORMATION DISCLOSURE STATEMENT

First Inventor : Yang, et al.

App. No. : 13/787,638

Filed : March 6, 2013

For : TRASH CAN WITH CLUTCH MECHANISM

Examiner : Kevin Charles Castillo

Art Unit : 3781

Conf. No. : 1009

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

References and Listing

An Information Disclosure Statement (IDS) listing references is provided herewith. To the extent that anything in the IDS or the listed references could be construed as a disclaimer of any subject matter supported by the present application, Applicant hereby rescinds and retracts such disclaimer. Citation Nos. 31, 32, 37, and 43 include English abstracts, but no representation is made as to their accuracy. If the Examiner would like additional information or if anything is unclear, the Examiner is invited to contact the undersigned for assistance.

Patents and Co-Pending Applications of Assignee

At least the following are patents and co-pending applications that are assigned to, or that the inventors are believed to have a duty to assign to, the entity to which the present application is assigned or to which the inventors are believed to have a duty to assign:

<i>Cite No.</i>	<i>Application No. Attorney Docket No.</i>	<i>Patent/Pub No.</i>
3	13/788,778 SHUMAN.123A	9,481,515
4	14/198,460 SHUMAN.066C1	9,573,759
5	14/856,309 SHUMAN.192A	9,586,755
18	29/519,549 SHUMAN.153DA2	D771,344

Application No.: 13/787,638
Filing Date: March 6, 2013

<i>Cite No.</i>	<i>Application No. Attorney Docket No.</i>	<i>Patent/Pub No.</i>
19	29/563,650 SHUMAN.153DA2D1	D773,145
24	15/265,455 SHUMAN.192P1	2017/0096299
25	29/584,385 SHUMAN.213DA	N/A
26	15/448,245 SHUMAN.202A	N/A
27	15/476,285 SHUMAN.136C1	N/A

Applicant respectfully directs the Examiner to the above-indicated patents and applications so that the Examiner can consider whether the subject matter claimed in those cases, now or as may be amended in the future, as well as the associated prosecution history, now or in the future, may be relevant to the patentability of the present application (e.g., for reasons of obviousness-type double patenting). Applicant believes that the Examiner has access to these patents and applications, and their associated file histories, through Patent Office systems (e.g., the IFW system). Accordingly, Applicant has not provided copies of these patents and applications, nor their associated file histories, but would be glad to do so upon request.

Timing of Disclosure

This IDS is being filed after receipt of a First Office Action, but before the mailing date of a Final Action and before the mailing date of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 CFR 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 15, 2017

By: Jason R. Swartz/

Jason Swartz
Registration No. 64,420
Registered Practitioner
Customer No. 20995
(949) 760-0404

25927536

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang, et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 1 OF 2	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,560,283	10-01-1996	Hannig	
	2	7,530,578	05-12-2009	Niemeyer et al.	
	3	9,481,515 (Atty. Docket No. SHUMAN.123A)	11-01-2016	Yang et al.	
	4	9,573,759 (Atty. Docket No. SHUMAN.066C1)	02-21-2017	Yang et al.	
	5	9,586,755 (Atty. Docket No. SHUMAN.192A)	03-07-2017	Yang et al.	
	6	D331,097	11-17-1992	Sieren	
	7	D412,552	08-03-1999	Burrows	
	8	D481,846	11-04-2003	Lin	
	9	D569,720	05-27-2008	Lablaine	
	10	D655,061	02-28-2012	Scaturro	
	11	D704,406	05-06-2014	Kern	
	12	D715,575	10-21-2014	Williams et al.	
	13	D725,860	03-31-2015	Spivey et al.	
	14	D755,461	05-03-2016	Wall	
	15	D762,037	07-19-2016	Chen	
	16	D765,937	09-06-2016	Chen	
	17	D766,998	09-20-2016	Kao et al.	
	18	D771,344 (Atty. Docket No. SHUMAN.153DA2)	11-08-2016	Yang et al.	
	19	D773,145 (Atty. Docket No. SHUMAN.153DA2D1)	11-29-2016	Yang et al.	
	20	2001/0045512	11-29-2001	Brent	
	21	2005/0129803	06-16-2005	Umeda et al.	
	22	2011/0056952	03-10-2011	Borowski et al.	
	23	2014/0305946	10-16-2014	Han	
	24	2017/0096299 (Atty. Docket No. SHUMAN.192P1)	04-06-2017	Yang et al.	
	25	Application No. 29/584,385 (Atty. Docket: SHUMAN.213DA)	Filed 11-14-2016	Yang et al.	
	26	Application No. 15/448,245 (Atty. Docket: SHUMAN.202A)	Filed 03-02-2017	Yang et al.	
	27	Application No. 15/476,285 (Atty. Docket: SHUMAN.136C1)	Filed 03-31-2017	Yang et al.	

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang, et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 2 OF 2	Attorney Docket No.	SHUMAN.122A

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	28	CA 164,264	10-25-2016	simplehuman, LLC		
	29	CA 164,265	10-25-2016	simplehuman, LLC		
	30	CA 167,073	10-25-2016	simplehuman, LLC		
	31	CN 201105898 Y	08-27-2008	Lin		X-abstract
	32	CN 201512253 U	06-23-2010	Lu		X-abstract
	33	CN 303967208 S	12-14-2016	simplehuman, LLC		
	34	CN 304018339 S	01-25-2017	simplehuman, LLC		
	35	CN 304018340 S	01-25-2017	simplehuman, LLC		
	36	DE 10337806 A1	03-17-2005	Sudhaus Gmbh & Co.		X-abstract
	37	EP 3144251 A1	03-22-2014	simplehuman, LLC		
	38	EP003177500-0001	09-09-2016	simplehuman, LLC		
	39	EP003177500-0002	09-09-2016	simplehuman, LLC		
	40	EP 003362235-0001	10-18-2016	simplehuman, LLC		
	41	EP 003362052-0001	11-14-2016	simplehuman, LLC		
	42	JP 2004-231237	08-19-2004	Traumer:KK		X-abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	43	Office Action for Chinese Application No. 201310076306.0, dated August 30, 2016, in 17 pages (Atty. Docket No. SHUMAN.122CN)	
	44	Office Action for Chinese Application No. 201310076306.0, dated January 25, 2017, in 18 pages (Atty. Docket No. SHUMAN.122CN)	

25927068

Examiner Signature /KEVIN C CASTILLO/	Date Considered 06/05/2017
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.C.C./

VOLUME DISTRIBUTORS, INC. 1004
VOLUME DISTRIBUTORS, INC. y. SIMPLEHUMAN LLC, IPR2024-00050
Page 2141 of 2185

Search Notes 	Application/Control No. 13787638	Applicant(s)/Patent Under Reexamination YANG ET AL.
	Examiner KEVIN CASTILLO	Art Unit 3781

CPC- SEARCHED		
Symbol	Date	Examiner
B65F 1/16, 1623, 1638	8/10/2015	KC
F16H 1/16	12/09/2016	KC
F16D 3/58, 3/56, 45/00, 15/00, 41/18, 41/02, 2041/0601, 41/04, 41/02	12/01/2016	KC
A47G 19/30	12/01/2016	KC
B65F 1/1638, 1/1623, 1/16	12/01/2016	KC

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
220	87.2, 211, 908	12/01/2016	KC
318	139	11/29/2016	KC
192	41R, Text	12/01/2016	KC

SEARCH NOTES		
Search Notes	Date	Examiner
Search Assistance: Andrew Kirsch	7/03/2015	KC
Inventor Name Search	8/10/2015	KC
Text	3/06/2016	KC
Search assistance Stacey Fluhart 192 and Davod Lou 318	12/01/2016	KC

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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<i>Index of Claims</i> 	Application/Control No. 13787638	Applicant(s)/Patent Under Reexamination YANG ET AL.
	Examiner KEVIN CASTILLO	Art Unit 3781

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant										
☐ CPA										
☐ T.D.										
☐ R.1.47										
CLAIM		DATE								
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	36		✓	✓	=					

<div>Index of Claims</div> <div></div>	<div>Application/Control No.</div> <div>13787638</div>	<div>Applicant(s)/Patent Under Reexamination</div> <div>YANG ET AL.</div>
	<div>Examiner</div> <div>KEVIN CASTILLO</div>	<div>Art Unit</div> <div>3781</div>

<div>✓</div>	<div>Rejected</div>	<div>-</div>	<div>Cancelled</div>	<div>N</div>	<div>Non-Elected</div>	<div>A</div>	<div>Appeal</div>
<div>=</div>	<div>Allowed</div>	<div>÷</div>	<div>Restricted</div>	<div>I</div>	<div>Interference</div>	<div>O</div>	<div>Objected</div>

☐ Claims renumbered in the same order as presented by applicant

☐ CPA

☐ T.D.

☐ R.1.47

CLAIM		DATE							
Final	Original	01/09/2015	08/10/2015	03/07/2016	06/05/2017				
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EAST Search History

EAST Search History (Prior Art)

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L1	795	(220/810).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2017/06/05 15:51
L2	34	1 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2017/06/05 16:39
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L6	0	4 and clutch	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2017/06/05 16:46
L7	106	(220/824).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2017/06/05 16:48
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	295	trash and motor and clutch	USPAT	OR	OFF	2017/06/05 16:49

6/ 5/ 2017 5:38:28 PM

H:\ EAST\ Workspaces\ 13787638.wsp

Issue Classification 	Application/Control No. 13787638	Applicant(s)/Patent Under Reexamination YANG ET AL.	
	Examiner KEVIN CASTILLO	Art Unit 3781	

CPC						
Symbol					Type	Version
B65F		1		1638	F	2013-01-01
B65F		1		1646	I	2013-01-01
B65F		1		04	I	2013-01-01
B65F		1		06	I	2013-01-01
B65F		1		068	I	2013-01-01
						
						
						
						
						
						
						
						
						
						

CPC Combination Sets					
Symbol		Type	Set	Ranking	Version
					
					

/K.C./ Examiner.Art Unit 3781 (Assistant Examiner)	06/05/2017 (Date)	Total Claims Allowed: 35	
/JEFFREY ALLEN/ Primary Examiner.Art Unit 3781 (Primary Examiner)	06/09/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 13

Issue Classification 	Application/Control No. 13787638	Applicant(s)/Patent Under Reexamination YANG ET AL.
	Examiner KEVIN CASTILLO	Art Unit 3781

☐ Claims renumbered in the same order as presented by applicant															
☐ CPA															
☐ T.D.															
☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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/K.C./ Examiner.Art Unit 3781 (Assistant Examiner)	06/05/2017 (Date)	Total Claims Allowed: 35	
/JEFFREY ALLEN/ Primary Examiner.Art Unit 3781 (Primary Examiner)	06/09/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 13

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang, et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 1 OF 2	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,560,283	10-01-1996	Hannig	
	2	7,530,578	05-12-2009	Niemeyer et al.	
	3	9,481,515 (Atty. Docket No. SHUMAN.123A)	11-01-2016	Yang et al.	
	4	9,573,759 (Atty. Docket No. SHUMAN.066C1)	02-21-2017	Yang et al.	
	5	9,586,755 (Atty. Docket No. SHUMAN.192A)	03-07-2017	Yang et al.	
	6	D331,097	11-17-1992	Sieren	
	7	D412,552	08-03-1999	Burrows	
	8	D481,846	11-04-2003	Lin	
	9	D569,720	05-27-2008	Lablaine	
	10	D655,061	02-28-2012	Scaturro	
	11	D704,406	05-06-2014	Kern	
	12	D715,575	10-21-2014	Williams et al.	
	13	D725,860	03-31-2015	Spivey et al.	
	14	D755,461	05-03-2016	Wall	
	15	D762,037	07-19-2016	Chen	
	16	D765,937	09-06-2016	Chen	
	17	D766,998	09-20-2016	Kao et al.	
	18	D771,344 (Atty. Docket No. SHUMAN.153DA2)	11-08-2016	Yang et al.	
	19	D773,145 (Atty. Docket No. SHUMAN.153DA2D1)	11-29-2016	Yang et al.	
	20	2001/0045512	11-29-2001	Brent	
	21	2005/0129803	06-16-2005	Umeda et al.	
	22	2011/0056952	03-10-2011	Borowski et al.	
	23	2014/0305946	10-16-2014	Han	
	24	2017/0096299 (Atty. Docket No. SHUMAN.192P1)	04-06-2017	Yang et al.	
	25	Application No. 29/584,385 (Atty. Docket: SHUMAN.213DA)	Filed 11-14-2016	Yang et al.	
	26	Application No. 15/448,245 (Atty. Docket: SHUMAN.202A)	Filed 03-02-2017	Yang et al.	
	27	Application No. 15/476,285 (Atty. Docket: SHUMAN.136C1)	Filed 03-31-2017	Yang et al.	

Examiner Signature /KEVIN C CASTILLO/	Date Considered 08/03/2017
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
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	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 2 OF 2	Attorney Docket No.	SHUMAN.122A

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	28	CA 164,264	10-25-2016	simplehuman, LLC		
	29	CA 164,265	10-25-2016	simplehuman, LLC		
	30	CA 167,073	10-25-2016	simplehuman, LLC		
	31	CN 201105898 Y	08-27-2008	Lin		X-abstract
	32	CN 201512253 U	06-23-2010	Lu		X-abstract
	33	CN 303967208 S	12-14-2016	simplehuman, LLC		
	34	CN 304018339 S	01-25-2017	simplehuman, LLC		
	35	CN 304018340 S	01-25-2017	simplehuman, LLC		
	36	DE 10337806 A1	03-17-2005	Sudhaus Gmbh & Co.		X-abstract
	37	EP 3144251 A1	03-22-2014	simplehuman, LLC		
	38	EP003177500-0001	09-09-2016	simplehuman, LLC		
	39	EP003177500-0002	09-09-2016	simplehuman, LLC		
	40	EP 003362235-0001	10-18-2016	simplehuman, LLC		
	41	EP 003362052-0001	11-14-2016	simplehuman, LLC		
	42	JP 2004-231237	08-19-2004	Traumer:KK		X-abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	43	Office Action for Chinese Application No. 201310076306.0, dated August 30, 2016, in 17 pages (Atty. Docket No. SHUMAN.122CN)	
	44	Office Action for Chinese Application No. 201310076306.0, dated January 25, 2017, in 18 pages (Atty. Docket No. SHUMAN.122CN)	

25927068

Examiner Signature /KEVIN C CASTILLO/	Date Considered 06/05/2017
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached.

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VOLUME DISTRIBUTORS, INC. v. SIMPLEHUMAN LLC, IPR2024-00050
Page 2162 of 2185

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
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	3	9,481,515 (Atty. Docket No. SHUMAN.123A)	11-01-2016	Yang et al.	
	4	9,573,759 (Atty. Docket No. SHUMAN.066C1)	02-21-2017	Yang et al.	
	5	9,586,755 (Atty. Docket No. SHUMAN.192A)	03-07-2017	Yang et al.	
	6	D331,097	11-17-1992	Sieren	
	7	D412,552	08-03-1999	Burrows	
	8	D481,846	11-04-2003	Lin	
	9	D569,720	05-27-2008	Lablaine	
	10	D655,061	02-28-2012	Scaturro	
	11	D704,406	05-06-2014	Kern	
	12	D715,575	10-21-2014	Williams et al.	
	13	D725,860	03-31-2015	Spivey et al.	
	14	D755,461	05-03-2016	Wall	
	15	D762,037	07-19-2016	Chen	
	16	D765,937	09-06-2016	Chen	
	17	D766,998	09-20-2016	Kao et al.	
	18	D771,344 (Atty. Docket No. SHUMAN.153DA2)	11-08-2016	Yang et al.	
	19	D773,145 (Atty. Docket No. SHUMAN.153DA2D1)	11-29-2016	Yang et al.	
	20	2001/0045512	11-29-2001	Brent	
	21	2005/0129803	06-16-2005	Umeda et al.	
	22	2011/0056952	03-10-2011	Borowski et al.	
	23	2014/0305946	10-16-2014	Han	
	24	2017/0096299 (Atty. Docket No. SHUMAN.192P1)	04-06-2017	Yang et al.	
	25	Application No. 29/584,385 (Atty. Docket: SHUMAN.213DA)	Filed 11-14-2016	Yang et al.	
	26	Application No. 15/448,245 (Atty. Docket: SHUMAN.202A)	Filed 03-02-2017	Yang et al.	
	27	Application No. 15/476,285 (Atty. Docket: SHUMAN.136C1)	Filed 03-31-2017	Yang et al.	

Examiner Signature /KEVIN C CASTILLO/	Date Considered 08/03/2017
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang, et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 2 OF 2	Attorney Docket No.	SHUMAN.122A

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	28	CA 164,264	10-25-2016	simplehuman, LLC		
	29	CA 164,265	10-25-2016	simplehuman, LLC		
	30	CA 167,073	10-25-2016	simplehuman, LLC		
	31	CN 201105898 Y	08-27-2008	Lin		X-abstract
	32	CN 201512253 U	06-23-2010	Lu		X-abstract
	33	CN 303967208 S	12-14-2016	simplehuman, LLC		
	34	CN 304018339 S	01-25-2017	simplehuman, LLC		
	35	CN 304018340 S	01-25-2017	simplehuman, LLC		
	36	DE 10337806 A1	03-17-2005	Sudhaus Gmbh & Co.		X-abstract
	37	EP 3144251 A1	03-22-2014	simplehuman, LLC		
	38	EP003177500-0001	09-09-2016	simplehuman, LLC		
	39	EP003177500-0002	09-09-2016	simplehuman, LLC		
	40	EP 003362235-0001	10-18-2016	simplehuman, LLC		
	41	EP 003362052-0001	11-14-2016	simplehuman, LLC		
	42	JP 2004-231237	08-19-2004	Traumer:KK		X-abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	43	Office Action for Chinese Application No. 201310076306.0, dated August 30, 2016, in 17 pages (Atty. Docket No. SHUMAN.122CN)	
	44	Office Action for Chinese Application No. 201310076306.0, dated January 25, 2017, in 18 pages (Atty. Docket No. SHUMAN.122CN)	

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Examiner Signature /KEVIN C CASTILLO/	Date Considered 06/05/2017
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached.

VOLUME DISTRIBUTORS, INC. 1004
VOLUME DISTRIBUTORS, INC. v. SIMPLEHUMAN LLC, IPR2024-00050
Page 2164 of 2185

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 1 OF 1	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	2007/0209846	09-13-2007	Wilson	
	2	Application No. 29/484,903 (Atty. Docket: SHUMAN.142DA)	Filed 03-13-2014	Yang et al.	
	3	Application No. 29/484,764 (Atty. Docket: SHUMAN.153DA)	Filed 03-01-2013	Yang et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document <i>Country Code-Number-Kind Code</i> Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

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Examiner Signature	/KEVIN C CASTILLO/	Date Considered	08/03/2017
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language Translation is attached.

VOLUME DISTRIBUTORS, INC. v. SIMPSON, INC. IPR2024-00050
 ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.C.C./
 Page 2165 of 2185

Issue Classification 	Application/Control No. 13787638	Applicant(s)/Patent Under Reexamination YANG ET AL.	
	Examiner KEVIN CASTILLO	Art Unit 3781	

CPC						
Symbol					Type	Version
B65F		1		1638	F	2013-01-01
B65F		1		1646	I	2013-01-01
B65F		1		04	I	2013-01-01
B65F		1		06	I	2013-01-01
B65F		1		068	I	2013-01-01
						
						
						
						
						
						
						
						
						
						

CPC Combination Sets					
Symbol		Type	Set	Ranking	Version
					
					

/K.C./ Examiner.Art Unit 3781 (Assistant Examiner)	06/05/2017 (Date)	Total Claims Allowed: 35	
/JEFFREY ALLEN/ Primary Examiner.Art Unit 3781 (Primary Examiner)	06/09/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 13

Issue Classification 	Application/Control No. 13787638	Applicant(s)/Patent Under Reexamination YANG ET AL.
	Examiner KEVIN CASTILLO	Art Unit 3781

☐ Claims renumbered in the same order as presented by applicant															
☐ CPA															
☐ T.D.															
☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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2	8	18	51	34	48										
3	25	19	52	35	49										
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15	38	31	45												
16	39	32	46												

/K.C./ Examiner.Art Unit 3781 (Assistant Examiner)	06/05/2017 (Date)	Total Claims Allowed: 35	
/JEFFREY ALLEN/ Primary Examiner.Art Unit 3781 (Primary Examiner)	06/09/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 13

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 1 OF 4	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	3,800,503	04-02-1974	Maki	
	2	3,888,406	06-10-1975	Nippes	
	3	4,785,964	11-22-1988	Miller et al.	
	4	4,892,223	01-09-1990	DeMent	
	5	4,915,347	04-10-1990	Iqbal et al.	
	6	5,076,462	12-31-1991	Perrone	
	7	5,265,511	11-30-1993	Itzov	
	8	5,305,916	04-26-1994	Suzuki et al.	
	9	5,353,950	10-11-1994	Taylor et al.	
	10	5,584,412	12-17-1996	Wang	
	11	5,671,847	09-30-1997	Pedersen et al.	
	12	5,961,105	10-05-1999	Ehrnsberger et al.	
	13	6,105,859	08-22-2000	Stafford	
	14	6,632,064	10-14-2003	Walker et al.	
	15	7,168,591	01-30-2007	Miller	
	16	7,395,990	07-08-2008	Stevens	
	17	7,398,913	07-15-2008	McClure	
	18	7,614,519	11-10-2009	Krauth et al.	
	19	8,297,470 (Atty Docket No. SHUMAN.170C1)	10-30-2012	Yang et al.	
	20	8,317,055	11-27-2012	Zawrotny et al.	
	21	8,672,171	03-18-2014	Wynn et al.	
	22	8,686,676 (Atty Docket No. SHUMAN.100A2)	04-01-2014	Yang et al.	
	23	8,716,969 (Atty Docket No. SHUMAN.100A3)	05-06-2014	Yang et al.	
	24	8,720,728 (Atty Docket No. SHUMAN.066A)	05-13-2014	Yang et al.	
	25	8,766,582 (Atty Docket No. SHUMAN.100A)	07-01-2014	Yang et al.	
	26	8,807,378	08-19-2014	Kaberna	
	27	8,807,379	08-19-2014	Hammond	

Examiner Signature	/KEVIN C CASTILLO/	Date Considered	08/03/2017
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 2 OF 4	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	28	8,872,459 (Atty Docket No. SHUMAN.128A)	10-28-2014	Yang et al.	
	29	D308,272	05-29-1990	Koepsell	
	30	D323,573	01-28-1992	Schneider	
	31	D337,181	07-06-1993	Warman	
	32	D401,383	11-17-1998	Gish	
	33	D476,456	06-24-2003	Englert et al.	
	34	D499,450	12-07-2004	Goodman et al.	
	35	D531,499	11-07-2006	Zaidman	
	36	D543,673	05-29-2007	Yang et al.	
	37	D552,319	10-02-2007	Gusdorf	
	38	D555,320	11-13-2007	Yang et al.	
	39	D562,522	02-19-2008	Daams	
	40	D564,723	03-18-2008	Yang et al.	
	41	D567,468	04-22-2008	Yang et al.	
	42	D568,572	05-06-2008	Yang et al.	
	43	D574,569	08-05-2008	Yang et al.	
	44	D578,265	10-07-2008	Presnell	
	45	D578,268	10-07-2008	Yang et al.	
	46	D581,622	11-25-2008	Presnell et al.	
	47	D584,470	01-06-2009	Bizzell et al.	
	48	D585,171	01-20-2009	Bizzell et al.	
	49	D586,070	02-03-2009	Lin	
	50	D587,874	03-03-2009	Lin	
	51	D593,271	05-26-2009	Yang et al.	
	52	D599,074	08-25-2009	Bizzell et al.	
	53	D604,472	11-17-2009	Blanks et al.	
	54	D611,217	03-02-2010	Bizzell et al.	
	55	D615,270	05-04-2010	Yang et al.	

Examiner Signature	/KEVIN C CASTILLO/	Date Considered	08/03/2017
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 3 OF 4	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	56	D623,817	09-14-2010	Yang et al.	
	57	D625,068	10-05-2010	Shannon	
	58	D627,533	11-16-2010	Yang et al.	
	59	D627,944	11-23-2010	Wang et al.	
	60	D629,172	12-14-2010	Liao	
	61	D630,404	01-04-2011	Yang et al.	
	62	D635,319	03-29-2011	Meyerhoffer	
	63	D644,806 (Atty Docket No. SHUMAN.164DA)	09-06-2011	Yang et al.	
	64	D644,807 (Atty Docket No. SHUMAN.165DA)	09-06-2011	Yang et al.	
	65	D649,728	11-29-2011	Campbell	
	66	D673,750	01-01-2013	Quan	
	67	D689,255	09-03-2013	Sun Ting Kung et al.	
	68	D714,510 (Atty Docket No. SHUMAN.135DA)	09-30-2014	Yang et al.	
	69	D716,015	10-21-2014	van de Leest	
	70	2005/0029281	02-10-2005	Westermann et al.	
	71	2007/0215622	09-20-2007	Perez	
	72	2008/0099274	05-01-2008	Seel	
	73	2008/0128428	06-05-2008	Beckerman	
	74	2009/0136341	05-28-2009	Kenyon	
	75	2010/0084235	04-08-2010	Lu	
	76	2010/0096894	04-22-2010	Fukai	
	77	2010/0122985	05-20-2010	Peters et al.	
	78	2010/0252557	10-07-2010	Clements	
	79	2011/0272409	11-10-2011	Kasbohm	
	80	2013/0098913 (Atty Docket No. SHUMAN.169A)	04-25-2013	Yang et al.	
	81	2013/0240592	09-19-2013	Woodruff	
	82	2014/0246432 (Atty Docket No. SHUMAN.135A)	09-04-2014	Yang et al.	

Examiner Signature	/KEVIN C CASTILLO/	Date Considered	08/03/2017
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang et al.
	Art Unit	3781
SHEET 4 OF 4		Examiner Kevin Charles Castillo
		Attorney Docket No. SHUMAN.122A

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	83	2014/0246434 (Atty Docket No. SHUMAN.066C1)	09-04-2014	Yang et al.	
	84	2014/0345453	11-27-2014	Oh et al.	
	85	Application No. 14/637,270 (Atty. Docket: SHUMAN.153A)	Filed 03-04-2015	Yang et al.	
	86	Application No. 14/639,049 (Atty. Docket: SHUMAN.148A)	Filed 03-04-2015	Yang et al.	
	87	Application No. 14/639,862 (Atty. Docket: SHUMAN.142A)	Filed 03-05-2015	To be determined	
	88	Application No. 29/519,549 (Atty. Docket: SHUMAN.153DA2)	Filed 03-05-2015	To be determined	
	89	Application No. 29/519,551 (Atty. Docket: SHUMAN.153DA3)	Filed 03-05-2015	To be determined	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document <i>Country Code-Number-Kind Code</i> Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	90	CA 152797	04-07-2014	simplehuman, LLC		
	91	CN 302771721 S	03-26-2014	simplehuman, LLC		
	92	CN 104016030 A	09-03-2014	simplehuman, LLC		
	93	DE 822376	11-26-1951	Quarzlampen GmbH		X
	94	DE 19617823	11-13-1997	Sitomed GMBH		X - abs
	95	EP 2772454 A2	09-03-2014	simplehuman, LLC		
	96	EP 001420590-0001	09-11-2014	simplehuman, LLC		
	97	TW D161587	07-11-2014	simplehuman, LLC		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	98	Extended European Search Report for European Application No. 13158229.8, dated July 2, 2013, in 8 pages (Atty Docket No. SHUMAN.122EP)	
	99	Search Report for Taiwanese Design Application No. 102302061, dated June 20, 2013, in 1 page (Atty Docket No. SHUMAN.122XTW)	

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Examiner Signature	/KEVIN C CASTILLO/	Date Considered	08/03/2017
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.C.C./

VOLUME DISTRIBUTORS, INC. v. SIMPLEHUMAN, LLC, IPR2024-00050
Page 2172 of 2185

Issue Classification 	Application/Control No. 13787638	Applicant(s)/Patent Under Reexamination YANG ET AL.	
	Examiner KEVIN CASTILLO	Art Unit 3781	

CPC						
Symbol					Type	Version
B65F		1		1638	F	2013-01-01
B65F		1		1646	I	2013-01-01
B65F		1		04	I	2013-01-01
B65F		1		06	I	2013-01-01
B65F		1		068	I	2013-01-01
						
						
						
						
						
						
						
						
						
						

CPC Combination Sets					
Symbol		Type	Set	Ranking	Version
					
					

/K.C./ Examiner.Art Unit 3781 (Assistant Examiner)	06/05/2017 (Date)	Total Claims Allowed: 35	
/JEFFREY ALLEN/ Primary Examiner.Art Unit 3781 (Primary Examiner)	06/09/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 13

Issue Classification 	Application/Control No. 13787638	Applicant(s)/Patent Under Reexamination YANG ET AL.
	Examiner KEVIN CASTILLO	Art Unit 3781

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	7	17	50	33	47										
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16	39	32	46												

/K.C./ Examiner.Art Unit 3781 (Assistant Examiner)	06/05/2017 (Date)	Total Claims Allowed: 35	
/JEFFREY ALLEN/ Primary Examiner.Art Unit 3781 (Primary Examiner)	06/09/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 13

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

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(Signature)
(Date)

20995 7590 06/28/2017
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/787,638	03/06/2013	Frank Yang	SHUMAN.122A	1009

TITLE OF INVENTION: TRASH CAN WITH CLUTCH MECHANISM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	09/28/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
CASTILLO, KEVIN CHARLES	3781	220-211000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Knobbe, Martens,
Olson & Bear, LLP
2. _____
3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

simplehuman, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Torrance, California

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☒ Payment via EFS Web.
☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 11-1410 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
☐ Applicant asserting small entity status. See 37 CFR 1.27
☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature

Date September 12, 2017

Typed or printed name Jason R. Swartz

Registration No. 64,420

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	: Yang, <i>et al.</i>
App. No.	: 13/787,638
Filed	: March 6, 2013
For	: TRASH CAN WITH CLUTCH MECHANISM
Examiner	: Kevin Charles Castillo
Art Unit	: 3781
Conf No.	: 1009

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Statement of Reasons for Allowance in the Notice of Allowance dated June 28, 2017 (the “Reasons”), Applicant respectfully submits the following comments.

Applicant thanks the Examiner for his diligent examination of each of the pending claims and acknowledging the patentability thereof. Applicant wishes to underscore that each claim is separately patentable based on the combination of features recited therein and not on any particular feature or group of features.

To the extent that the Reasons omit claim elements, add claim elements, group claims together, or identify purportedly similar features or distinguishing features of a claim or a group of claims, Applicant respectfully disagrees. Also, to the extent that the Reason’s paraphrasing of the subject matter of the claims deviates from the actual language recited in each individual claim, Applicant respectfully disagrees. Furthermore, Applicant respectfully disagrees with the Reasons to the extent there is any implication that the patentability of the dependent claims is dependent on, or these claims have the same scope as, the independent claim from which each depends. The patentability of each claim rests on each claim taken as a whole on its own merits.

Application No.: 13/787,638
Filing Date: March 6, 2013

The claims of the present application may be different in scope than the claims that may be pursued in other applications at least partially owned by the owner of the present application. Applicant reserves the right to pursue claims directed to any subject matter supported by the present disclosure in any of the other applications or in future applications, and no disclaimer, disavowal, or estoppel shall be inferred by any reviewers of the prosecution history of the present application.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: September 12, 2017

By: /Jason R. Swartz/

Jason Swartz
Registration No. 64,420
Attorney of Record
Customer No. 20995
(949) 760-0404

26374021

Electronic Patent Application Fee Transmittal				
Application Number:		13787638		
Filing Date:		06-Mar-2013		
Title of Invention:		TRASH CAN WITH CLUTCH MECHANISM		
First Named Inventor/Applicant Name:		Frank Yang		
Filer:		Jason R. Swartz/Linh Do		
Attorney Docket Number:		SHUMAN.122A		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	2501	1	480	480

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				480

Electronic Acknowledgement Receipt

EFS ID:	30334499
Application Number:	13787638
International Application Number:	
Confirmation Number:	1009
Title of Invention:	TRASH CAN WITH CLUTCH MECHANISM
First Named Inventor/Applicant Name:	Frank Yang
Customer Number:	20995
Filer:	Jason R. Swartz/Jennifer Neat
Filer Authorized By:	Jason R. Swartz
Attorney Docket Number:	SHUMAN.122A
Receipt Date:	12-SEP-2017
Filing Date:	06-MAR-2013
Time Stamp:	15:05:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 480
RAM confirmation Number	091317INTEFSW15060900
Deposit Account	111410
Authorized User	Jennifer Neat

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

VOLUME DISTRIBUTORS, Ex. 1004

VOLUME DISTRIBUTORS, INC. v. SIMPLEHUMAN LLC, IPR2024-00050

Page 2181 of 2185

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	Issue_Fee.pdf	1428730	no	1
			58097e88702387df8908c07cf585bc6a70076497		
Warnings:					
Information:					
2	Miscellaneous Incoming Letter	Comments.pdf	23008	no	2
			b4f071577355d676dd0c1326bbccbd32e65a69b8		
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30400	no	2
			4192dbffcfdac81289b9c35efce05aa02add332f		
Warnings:					
Information:					
Total Files Size (in bytes):			1482138		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13/787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Kevin Charles Castillo
SHEET 1 OF 2	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	2,308,326	01-12-1943	Calcagno	
	2	5,329,212	07-12-1994	Feigleson	
	3	7,712,285	05-11-2010	Stravitz et al.	
	4	7,741,801	06-22-2010	Fukuizumi	
	5	8,567,630	10-29-2013	Yang et al.	
	6	8,569,980	10-29-2013	Yang et al.	
	7	2006/0103086	05-18-2006	Niemeyer et al.	
	8	2007/0112699	01-18-2007	Yang et al.	20070012699
	9	2010/0170904	07-08-2010	Kalman et al.	
	10	2010/0294769	11-25-2010	Lee et al.	
	11	2013/0233853	09-12-2013	Yang et al.	
	12	2013/0248532	09-26-2013	Yang et al.	

Change(s) applied
to document,
/M.F.G./
9/11/2017

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	13	CN 102190144 A	09-21-2011	simplehuman, LLC		
	14	CN 301947175 S	06-06-2012	simplehuman, LLC		
	15	CN 103300590 A	09-18-2013	simplehuman, LLC		
	16	EP 0582240	07-31-1993	Meseke et al.		X-abs
	17	EP 0903305 A1	03-24-1999	David Kennedy (Engineers) Holdings Limited		
	18	EP 0906876 A2	04-07-1999	Norfrost Limited		X
	19	EP 1094017 A1	04-25-2001	Hailo-Werk Rudolf Loh GmbH & Co. KG		X-abs
	20	EP 1447342 A2	08-18-2004	Dart Industries Inc.		
	21	EP 1600373 A2	11-30-2005	Jamco Corporation		
	22	EP 1647503 A1	04-19-2006	Brabantia Nederland B.V.		
	23	EP 1918223 A1	05-07-2008	Wang et al.		

Examiner Signature /Kevin Castillo/	Date Considered 08/10/2015
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.C./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	13787,638
	Filing Date	March 6, 2013
	First Named Inventor	Yang et al.
	Art Unit	3781
(Multiple sheets used when necessary)	Examiner	Unassigned
SHEET 7 OF 15	Attorney Docket No.	SHUMAN.122A

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	169	7,328,842	02-12-2008	Wagner et al.	
	170	7,374,060	05-20-2008	Yang et al.	
	171	7,404,499	07/2008 07-29-2009	Ramsey	
	172	7,438,199	10-21-2008	Tidrick	
	173	7,494,021	02-24-2009	Yang et al.	
	174	7,540,396	06-02-2009	Yang et al.	
	175	7,543,716	06-09-2009	Lin	
	176	7,559,433	07-14-2009	Yang et al.	
	177	7,607,552	10-27-2009	Efstathiou	
	178	7,621,420	11-24-2009	Bandoh et al.	
	179	7,656,109	02-02-2010	Yang et al.	
	180	7,694,838	04-13-2010	Yang et al.	
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	182	7,748,556	07-06-2010	Yang et al.	
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	184	7,806,285	10-05-2010	Yang et al.	
	185	7,896,187	03-01-2011	Haibel	
	186	7,922,024	04-12-2011	Yang et al.	
	187	7,950,543	05-31-2011	Yang et al.	
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	191	8,136,688	03-20-2012	Lee et al.	
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	193	D148,825	02-24-1948	Snider	
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	195	D327,760	07-07-1992	Donnelly	
	196	D329,929	09-29-1992	Knoedler et al.	

Examiner Signature	/Kevin Castillo/	Date Considered	08/10/2015
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***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/787,638	10/17/2017	9790025	SHUMAN.122A	1009

20995 7590 09/27/2017
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 455 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Frank Yang, Rancho Palos Verdes, CA;
David Wolbert, Redondo Beach, CA;
Joseph Sandor, Newport Beach, CA;
Kenneth Yen, Torrance, CA;
Orlando Cardenas, Laguna Niguel, CA;
Michael Basha, Brisbane, CA;
Christopher Fruhauf, San Anselmo, CA;
SIMPLEHUMAN, LLC, Torrance, CA

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