Title (en)

Waste container with electrostatically controlled cover

Title (de)

Müllbehälter mit elektrostatisch gesteuerter Abdeckung

Title (fr)

Récipient de déchets avec couvercle commandé électrostatiquement

Publication

EP 2025623 A1 20090218 (EN)

Application

EP 08360014 A 20080530

Priority

TW 96213459 U 20070815

Abstract (en)

A waste container includes a metal body (11) having a peripheral wall (111) defining a compartment (112) for receiving a garbage bag (15). Mounted above the body (11) is a cover (13) having a lid (133) movable between an open position and a closed position. An electrostatic device (2) is mounted to the cover (13) and operably connected to the lid (133). The lid (133) is moved from the open position to the closed position when the human body is within a detection range of a sensor (21) of the electrostatic device (2). A hollow frame (12) is mounted between the body (11) and the cover (13) and includes a perimeter wall (121) made of non-electrically conductive material. The body (11) is spaced from the cover (13) by the perimeter wall (121) and located outside the detection range of the sensor (21), preventing electrostatic interaction between the body (11) and the sensor (21).

IPC 8 full level (invention and additional information)

B65F 1/16 (2006.01); B65F 1/06 (2006.01)

CPC (invention and additional information)

B65F 1/06 (2013.01); **B65F 1/1607** (2013.01); **B65F 1/1638** (2013.01); B65F 2250/11 (2013.01)

Citation (search report)

- [A] US 6774586 B1 20040810 - SHIH TSUNG-HWAN [TW]
- [A] US 2006214620 A1 20060928 - CHAN CHI T [CA]

Cited by

MD686Z; EP2289821A1; MD687Z

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family

EP 2025623 A1 20090218; EP 2025623 B1 20120208; AT 544700 T 20120215; TW M329624 U 20080401; US 2009045198 A1 20090219