

Title (en)
Refuse collector with hatch

Title (de)
Abfallsammler mit Klappe

Title (fr)
Collecteur de déchets avec trappe

Publication
EP 2767491 A1 20140820 (EN)

Application
EP 14155005 A 20140213

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Abstract (en)
The present invention relates to a hatch (12) in a refuse collector. This type of refuse collector comprises a container (1) with a feeding device (7) arranged thereto. The container is divided into at least two chambers (2, 3) with at least one partition wall (4) in the longitudinal direction of the container, and the hatch is located in a feeding opening (6) of at least one of the chambers (3). The hatch has upper and lower wall parts (13, 14) and is turnable in relation to the back end (5) of the container around an essentially horizontal rotation axis (15). To open or close the feeding opening between the container (1) and feeding device (7), the lower wall part (14) is arranged to be movable in relation to the upper wall part (13). At the same time, the lower wall part is arranged to cooperate with the feeding device in such a manner that the hatch in its open position is arranged to follow the feeding device in its turning movement so as to permit the emptying of the chamber closed by the hatch.

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B65F 3/00 (2006.01); **B65F 3/26** (2006.01)

CPC (source: EP)
B65F 3/001 (2013.01); **B65F 3/26** (2013.01)

Citation (search report)
• [X] US 3548540 A 19701222 - CULLINGS HAROLD L
• [X] DE 19518434 A1 19951207 - MULTIREC PATENTVERWERTUNGS UND [DE]
• [X] US 5123801 A 19920623 - O'DANIEL HAROLD W [US]
• [A] US 3881613 A 19750506 - TORIMOTO HIDEO, et al
• [A] CA 2491325 A1 20050629 - MACPHERSON ROBERT STEPHEN [CA]
• [A] US 5527098 A 19960618 - MCKINNEY BOBBY R [US], et al

Cited by
US11034115B2; US11607857B2; US10384593B2; US11014483B2

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