

Title (en)
REFUSE VEHICLE FOR TRANSPORTATION OF RUBBISH AND OTHER BULK GOODS

Publication
EP 0003503 B1 19820113 (DE)

Application
EP 79100086 A 19790112

Priority
DE 2802653 A 19780121

Abstract (en)
[origin: ES476953A1] A rotary drum-type collecting vessel for receiving and transporting refuse or other bulk material, comprises, a hollow rotary collecting drum having an inside wall, and includes an opening at one end which is covered by a cover plate which covers the opening and has a frusto conical interior surface which projects into the collecting drum. The frusto conical surface terminates in a frustum plane within the drum. It includes a lower portion with a charge opening and it carries a spirally extending feed blade on its surface with pushing elements in the form of ribs defined therealong and rotating therewith so as to force bulk material in an action, such as by a raking worm, into the collecting drum. The material is also pressed therein by an action such that by a thrust worm in a zone between the inside wall of the rotary drum and the frustum plane. The pushing element ribs extend from the upper vertex point of the frusto conical surface up to over the entire charge opening at the inside plane of the surface and enlarging radially to such an extent so as to keep the outer bore uniformly spaced from the ribs. An additional compressing means is associated with the drum and they are effective in the zone of the frustum plane and are advantageously comprised of a spiral screw which is attached to the inside plane of the frustum. The screw may be firmly attached to the frustum of the cover or it may be arranged on the inside plane of the frustum and driven by its separate drive. The direction of rotation is advantageously opposite to that of the rotation of the frustum surface.

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CPC (source: EP US)
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