

Title (en)  
REFUSE VEHICLE WITH A REFUSE-COLLECTING ROTARY DRUM

Publication  
**EP 0004025 B1 19811125 (DE)**

Application  
**EP 79100589 A 19790228**

Priority  
DE 2809191 A 19780303

Abstract (en)  
[origin: ES478163A1] A rotary drum storage tank for receiving and conveying garbage includes a rear cover for the tank with a helical baffle protruding into the storage tank and which acts as a pressing screw which pushes the material which is dumped into the tank backwardly into the rear thereof. The baffle acts in conjunction with a plurality of strikers arranged on the inner wall of the rotary drum storage tank and which rotate with the tank to force the material into the storage space. The drum is mounted on annular ball bearings which are secured on a bolt which is mounted on a box girder or closed frame girder having a central opening therethrough which accommodates the bearings. The construction is such that the driving motor is mounted on the box girder and guides the drum through an annular gear defined on its exterior surface as well as all of the other bearing forces including the pressing forces of the baffle which act as a pressing screw as well as the forces originating from the weight of the cover and for operating the cover and for locking it are all coupled positively to the box girder. Preferably, an independent motor is flanged to the box girder.

IPC 1-7  
**B65F 3/22**

IPC 8 full level  
**B65F 3/22** (2006.01)

CPC (source: EP US)  
**B65F 3/22** (2013.01 - EP US)

Cited by  
EP0451134A1; US4769788A; EP0062091A3

Designated contracting state (EPC)  
BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0004025 A1 19790919; EP 0004025 B1 19811125**; AT 362721 B 19810610; AT A155979 A 19801015; AU 4478079 A 19790906; AU 531395 B2 19830825; BR 7901245 A 19791002; DE 2809191 A1 19790906; DE 2809191 B2 19801030; DE 2809191 C3 19811008; DE 2961392 D1 19820128; ES 478163 A1 19790516; JP S54124429 A 19790927; JP S6315201 B2 19880404; PT 69221 A 19790301; US 4257728 A 19810324

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