

Title (en)
LOCKABLE DOOR, FLAP OR THE LIKE

Publication
EP 0351449 A3 19901017 (DE)

Application
EP 88117195 A 19881015

Priority
DE 3824216 A 19880716

Abstract (en)
[origin: EP0351449A2] The intention is to provide a lockable door, flap or the like for stationary or mobile silos, in particular for free-flowing bulk goods, which possesses high rigidity simultaneously with light weight and is self-securing. This is achieved in the case of a lockable door, flap or the like for stationary or mobile silos which are charged, in particular, with free-flowing bulk goods, having at least one outlet aperture which possesses at the lower end a bearing edge (8) against which there engages a discharge flap (1) attached to at least one door-flap bearing (5), so that the upper end of the discharge flap (1) is eccentrically mounted via the door-flap bearing (5) having an axle (4) on an actuating shaft (2), the connecting line between the centre of rotation of the spindel (4) and the centre of rotation of the actuating shaft (2) possessing, in the closed state of the discharge flap (1), a positive inclination of from 2 to 10 degrees to the inner chamber of the silo, and the flap bearing (5) possessing, above the connecting line, a bearing surface (6) which is in contact with the actuating shaft (2) in the unlocked position of the discharge flap (1), and the eccentric (3) possessing a leg (11) directed towards the discharge flap (1) which, with its stopping surface (7), presses in the closing direction of the actuating shaft (2) against a buffer (14) attached to the discharge flap (1). Discharge flap for motor vehicles, shown in Fig. 1. <IMAGE>

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IPC 8 full level
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B65D 90/626 (2013.01)

Citation (search report)
• [A] BE 651347 A 19641201
• [YD] EP 0262094 A1 19880330 - ALUSUISSE [CH]
• [A] FR 1118654 A 19560608
• [A] FR 2357439 A1 19780203 - BAKE WILLEM [ES]
• [X] US 2837040 A 19580603 - JOHANSSON CARL E

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Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

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EP 0351449 A2 19900124; **EP 0351449 A3 19901017**; **EP 0351449 B1 19920909**; AT E80354 T1 19920915; DE 3824216 A1 19900118; DE 3874528 D1 19921015; ES 2034095 T3 19930401; GR 3006455 T3 19930621

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