

Title (en)

APPARATUS FOR AUTOMATICALLY FILLING SACKS AT THE OUTLET NOZZLE OF A FILLING FUNNEL

Publication

EP 0016691 B1 19811202 (DE)

Application

EP 80400335 A 19800314

Priority

CH 240979 A 19790314

Abstract (en)

[origin: ES8100198A1] An apparatus for the automatic filling of bags at a discharge spout of a filling hopper wherein empty bags are stored in a bag magazine in a horizontal position, the apparatus including an attachment unit hub, a frame pivotably mounted on the hub, a suction device mounted on the frame for individually removing each bag from the bag magazine and for swinging the removed bag into an essentially vertical hanging position and including a drum having suction mechanism, a spreading mechanism mounted on the frame for opening a respective bag mouth, and a holding device for holding each bag mouth tightly against the discharge spout, wherein the drum is mounted on the frame for horizontal movement and for rotation about an axis parallel to the surface of the stored bags and for movement parallel to the longitudinal axis of the stored bags upon pivoting of the frame about the attachment unit hub, such that the drum is lowered towards the stored bags so that the suction mechanism seizes the respective topmost bag of the bag magazine near the mouth of the individual bag.

IPC 1-7

B65B 43/18; **B65B 1/04**

IPC 8 full level

B65B 1/04 (2006.01); **B65B 43/18** (2006.01); **B65B 43/30** (2006.01); **B65B 43/32** (2006.01)

CPC (source: EP US)

B65B 43/18 (2013.01 - EP US); **B65B 43/30** (2013.01 - EP US)

Cited by

CN105035414A; CN102224002A; CN102259709A; DE3148569A1; EP0470057A1; US5142841A; US9815580B2; US9193490B2; WO2013124319A3; WO2020012188A3; WO9212900A1

Designated contracting state (EPC)

AT BE CH FR IT NL SE

DOCDB simple family (publication)

EP 0016691 A1 19801001; **EP 0016691 B1 19811202**; AT E451 T1 19811215; DE 3000496 A1 19800918; DE 3000496 C2 19840503; ES 489428 A0 19801101; ES 8100198 A1 19801101; GB 2045197 A 19801029; GB 2045197 B 19830615; JP S55126021 A 19800929; US 4320615 A 19820323

DOCDB simple family (application)

EP 80400335 A 19800314; AT 80400335 T 19800314; DE 3000496 A 19800108; ES 489428 A 19800311; GB 8008230 A 19800311; JP 3175380 A 19800314; US 12813380 A 19800307