

Title (en)

RECEIVING AND CLAMPING DEVICE FOR PACKING BAG IN FILLING MACHINE

Title (de)

AUFNAHME- UND KLEMMVORRICHTUNG FÜR EINEN VERPACKUNGSBEUTEL IN EINER FÜLLMASCHINE

Title (fr)

DISPOSITIF DE RECEPTION ET DE SERRAGE POUR SACHET D'EMBALLAGE DANS UNE MACHINE DE REMPLISSAGE

Publication

EP 2351689 B1 20131002 (EN)

Application

EP 09828591 A 20091029

Priority

- CN 2009074676 W 20091029
- CN 200820174386 U 20081101

Abstract (en)

[origin: EP2351689A1] A receiving and clamping device for packing bag in filling machine is provided, comprising: a rotary table (1) and a number of clamping components (2) uniformly distributed along the periphery of the rotary table (1); the clamping component (2) comprises a base (2a) and a clamping arm (2b) hinged on the upper end face of the base (2a); a first spring (2d) is biased between the rear-end of the clamping arm (2b) and the rear portion of the base (2a); a stop block (2g) is fixed at the bottom of the clamping arm (2b) and a bump (10) aligning with the stop block (2g) is fixed at the bottom of the rotary table (1); an arc-shaped guide groove (1a) uniformly distributed along the circumferential direction of the rotary table (1) is arranged at the bottom of the rotary table (1) in adjacency to the periphery thereof; a hook (3) is hinged to the base (2a); an axle pin (8) fixed to the hook (3) is protruding into the guide groove (1a); a cylinder (6) and a pusher dog (4) hinged to the piston rod of the cylinder (6) are arranged outside the rotary table (1); the pusher dog (4) is fitted with the hook (3). According to the present invention, the receiving and clamping device for packing bag in filling machine has a reasonable structure and reliable performance; the device can avoid the work process of frequent start-stop-start of the rotary table and ensure that the rotary table may run in a uniform speed stably throughout, so as to greatly improve the productivity of the filling machine.

IPC 8 full level

B65B 43/46 (2006.01); **B65B 43/50** (2006.01); **B65B 43/60** (2006.01)

CPC (source: EP KR)

B65B 43/46 (2013.01 - KR); **B65B 43/465** (2013.01 - EP); **B65B 43/50** (2013.01 - EP KR); **B65B 43/60** (2013.01 - KR)

Cited by

CN105500353A; CN103213838A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2351689 A1 20110803; **EP 2351689 A4 20120801**; **EP 2351689 B1 20131002**; CN 201296392 Y 20090826; JP 2012506829 A 20120322; JP 5199477 B2 20130515; KR 101315031 B1 20131008; KR 20110081343 A 20110713; WO 2010060331 A1 20100603

DOCDB simple family (application)

EP 09828591 A 20091029; CN 200820174386 U 20081101; CN 2009074676 W 20091029; JP 2011533522 A 20091029; KR 20117012628 A 20091029