

Title (en)

FOLLOW-UP SEALING EQUIPMENT FOR PACKING BAGS USED IN A FILLING MACHINE

Title (de)

FOLGEABDICHTUNGSVORRICHTUNG ZUR VERPACKUNG VON IN EINER FÜLLMASCHINE VERWENDETEN BEUTELN

Title (fr)

ÉQUIPEMENT DE SCELLAGE ULTÉRIEUR POUR SACHETS D'EMBALLAGE DANS UNE MACHINE DE REMPLISSAGE

Publication

EP 2351690 A4 20131016 (EN)

Application

EP 09828589 A 20091028

Priority

- CN 2009074671 W 20091028
- CN 200820174387 U 20081101

Abstract (en)

[origin: EP2351690A1] The present invention provides a follow-up sealing equipment for packing bags used in a filling machine comprising a rotary table (1) and a number of clamping components (2) uniformly distributed at the periphery of the rotary table (1); a track (3) is arranged outside the rotary table (1); a sliding seat (5) is slidably installed on the track (3); a number of sealing components corresponding to the clamping components (2) on the rotary table (1) are installed on the sliding seat (5); a positioning component fitted with a pusher dog (9) is arranged on the sliding seat (5), a stopper corresponding to the pusher dog (9) is arranged on the rotary table (1); a proximity switch (11) adjacent to the fore-end of the sliding seat (5) is fixed on the track (3); a first spring (10) is connected between the track (3) and the sliding seat (5). The follow-up sealing equipment for packing bags in a filling machine according to the present invention has a reasonable structure and reliable performance; respective sealing components of the sliding seat may finish the sealing of the packing bags in the course of following the rotation of the rotary table; it is possible for the equipment to avoid the work process of frequent start-stop-start of the rotary table and to ensure that the rotary table may run in a uniform speed stably throughout, so as to greatly improve the productivity of the filling machine; moreover, sealing components of the sliding seat are exactly coordinated with the clamping components of the rotary table respectively during the sealing operation, and hence a good sealing effect may be obtained.

IPC 8 full level

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CPC (source: EP KR)

B65B 3/00 (2013.01 - KR); **B65B 43/465** (2013.01 - EP); **B65B 43/50** (2013.01 - EP); **B65B 51/04** (2013.01 - EP KR)

Citation (search report)

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- [A] JP S6169506 A 19860410 - SHIBUYA KOGYO CO LTD
- [A] US 6338371 B1 20020115 - ARAKI YOZO [JP], et al
- See references of WO 2010060329A1

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CN103213838A

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