

Title (en)

METHOD AND APPARATUS FOR INTRODUCING INTO CONTAINERS FOIL PACKAGES FILLED WITH AN AMORPHOUS PRODUCT

Publication

EP 0331210 B1 19921216 (DE)

Application

EP 89105984 A 19850118

Priority

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- DE 3406858 A 19840225

Abstract (en)

[origin: US4676050A] The invention relates to a method of and an apparatus for transporting flexible foil packages, particularly flat bags (6, 8, 13) filled with unstabilized material to a package container (1). The flat bags (6, 8, 13) deposited flat and with uniformly distributed contents by a filling and closing machine upon a transport belt are first of all imbricated and maintained clamped on both sides during further transport into the package container, so that the uniform distribution of the contents is maintained into the container. A close filling of the container (1) without excessive pressure is ensured by this means. Because the flat bags are conveyed from the conveying path directly into the container without an intermediate magazine, containers of different size can be filled consecutively virtually without interrupting the conveyance. It is therefore possible, in the case of parallel operation of a plurality of similar lines, to operate filling machines of different capacity each at maximum capacity, in order to assemble containers which are filled with the flat bags delivered by the different filling machines into larger assorted units, without the different capacity leading to an excess supply of containers at the collecting station, where the containers are assembled to form the units. The surplus capacity of one or the other machine is in fact compensated by locking in other package containers into the one line and subsequently withdrawing the filled containers.

IPC 1-7

B65B 5/10

IPC 8 full level

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IPC 8 main group level

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Cited by

EP0696538A1; DE9306597U1; DE19917656A1; DE4117746C1; EP0585643A1; DE19917655A1; EP1022220A1; NL1011113C2; US5588285A; DE10127028A1; DE10127028B4; WO0063077A1; WO9421518A1; WO9405547A1

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EP 0153577 A2 19850904; EP 0153577 A3 19870318; EP 0153577 B1 19891011; AT E47105 T1 19891015; AT E83450 T1 19930115; DE 3406858 A1 19851003; DE 3573582 D1 19891116; DE 3586908 D1 19930128; EP 0331210 A2 19890906; EP 0331210 A3 19890913; EP 0331210 B1 19921216; US 4676050 A 19870630

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