

Title (en)

Method and apparatus for packaging products formed by casting in the thermoformed wrapper of a blister package.

Title (de)

Verfahren und Vorrichtung zum Verpacken von Produkten, hergestellt beim Giessen in den thermoformbaren Wickel einer Blisterpackung.

Title (fr)

Procédé et appareil pour emballer des produits, fabriqués par fonte dans une enveloppe thermoformée d'un emballage du genre "blister".

Publication

EP 0083323 A2 19830706 (EN)

Application

EP 82830310 A 19821227

Priority

IT 6872081 A 19811230

Abstract (en)

The wrapper (2) comprises a film of thermoplastics material having cells (3) which are made by thermoforming and are each intended to receive a respective product: a metered quantity of molten product is poured into each cell (3) of the wrapper (2), while the wrapper (2) is cooled simultaneously by a flow of liquid coolant in contact with its outer surface. The machine includes a filling station (13) where the product is poured into the cells (3), which is interposed between a thermoforming station (12) where flat surface of a first sheet (11) of thermoplastics film is locally deformed to obtain longitudinal rows of cells (3), and a sealing station (14) where a second sheet (16) of thermoplastics sealing film is applied to the first sheet (11) to close the cells (3). The filling station (13) includes a channel extending in the direction of displacement of the first sheet (11) between the forming station (12) and the sealing station (13) and having a depth greater than the depth of the cells (3), and a station (13d) for pouring the metered quantities of molten product into the cells (3), which overlies the channel close to its inlet end (13b). Associated with the channel are means (13e, 13f) for supplying a liquid coolant at the inlet end (13b), means (13h) for discharging the coolant from a discharge zone close to the sealing station (14), and means (13g) for cooling the coolant discharged from the channel and conveying it towards the supply means (13e, 13f), so as to make the coolant flow in a closed circuit of which the channel constitutes a part.

IPC 1-7

B65B 63/08; **B65B 11/52**

IPC 8 full level

B65B 63/08 (2006.01)

CPC (source: EP)

B65B 63/08 (2013.01)

Cited by

FR2608560A1; US5729958A; DE102009047151B3; CN108454926A; CN101850857A; EP0825119A1; FR2626669A1; DE4312134A1; DE4025683A1; US8647098B2; US6217697B1; US8815141B2; US9021770B2

Designated contracting state (EPC)

BE DE FR GB IT LU NL

DOCDB simple family (publication)

EP 0083323 A2 19830706; **EP 0083323 A3 19840404**; **EP 0083323 B1 19861029**; DE 3273966 D1 19861204; DK 155156 B 19890220; DK 155156 C 19890710; DK 578082 A 19830701; IE 54070 B1 19890607; IE 823079 L 19830630; IT 1145646 B 19861105; IT 8168720 A0 19811230

DOCDB simple family (application)

EP 82830310 A 19821227; DE 3273966 T 19821227; DK 578082 A 19821229; IE 307982 A 19821223; IT 6872081 A 19811230