

Title (en)
METHOD FOR PROCESSING AND/OR FILLING PACKAGING

Title (de)
VERFAHREN ZUM BEARBEITEN UND/ODER FÜLLEN VON VERPACKUNGEN

Title (fr)
PROCÉDÉ DE TRAITEMENT ET/OU DE REMPLISSAGE D'EMBALLAGES

Publication
EP 3707076 A1 20200916 (DE)

Application
EP 18779601 A 20180921

Priority

- DE 102017125973 A 20171107
- EP 2018075630 W 20180921

Abstract (en)
[origin: WO2019091654A1] Described and disclosed is a method for processing and/or filling packaging (2), in particular composite carton packaging, in a processing machine and/or filling machine (1). In order to reduce the quantity of equipment while maintaining a high throughput and/or to facilitate a more flexible operation, according to the invention: packaging blanks (5) in a take-up station (9) are transferred sequentially in cycles to mandrels (8) of a mandrel wheel (7) that revolves cyclically, said mandrels passing the take-up station (9); at regular intervals after the transfer, by means of the mandrels (8) passing the take-up station (9), of a specific number of packaging blanks (5) in the take-up station (9) to another specific number of mandrels (8) sequentially passing the take-up station (9), no further packaging blank (5) in the take-up station (9) is transferred; in at least one forming station (10,12,14), the packaging blanks (5) transferred in the take-up station (9) to the mandrel wheel (8) are processed in cycles on a mandrel (8) of the mandrel wheel (7); after passing the at least one forming station (10,12,14), packaging (2), which is open at one end, is transferred sequentially in cycles from the mandrel wheel (8), in a transfer station (15), to all the cells (16) of a conveying device (17) that pass the transfer station (15); and the packaging (2) that is open at one end and has been transferred to the cells (16), is fed in the cells (16) of the conveying device (17) to at least one processing station (22,23,24,28) for processing and/or to at least one filling station (26) for filling.

IPC 8 full level
B65B 37/02 (2006.01); **B65B 3/00** (2006.01); **B65B 43/14** (2006.01); **B65B 43/50** (2006.01); **B65B 43/52** (2006.01); **B65B 51/14** (2006.01); **B65B 55/02** (2006.01); **B65B 65/00** (2006.01)

CPC (source: EP US)
B65B 3/006 (2013.01 - EP); **B65B 37/02** (2013.01 - EP); **B65B 43/10** (2013.01 - EP US); **B65B 43/145** (2013.01 - EP US); **B65B 43/50** (2013.01 - EP US); **B65B 43/52** (2013.01 - EP US); **B65B 43/60** (2013.01 - US); **B65B 51/144** (2013.01 - EP US); **B65B 55/027** (2013.01 - EP US); **B65B 65/003** (2013.01 - EP US)

Citation (search report)
See references of WO 2019091654A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102017125973 A1 20190509; **DE 102017125973 B4 20210311**; CN 111448142 A 20200724; EP 3707076 A1 20200916; US 2021188470 A1 20210624; WO 2019091654 A1 20190516

DOCDB simple family (application)
DE 102017125973 A 20171107; CN 201880071996 A 20180921; EP 18779601 A 20180921; EP 2018075630 W 20180921; US 201816761852 A 20180921