

Title (en)  
DEVICE AND METHOD FOR LABELLING OF SINGLE PACKAGES

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM ETIKETTIEREN VON EINZELNEN PACKUNGEN

Title (fr)  
DISPOSITIF ET PROCEDE D'ETIQUETAGE DES EMBALLAGES INDIVIDUELS

Publication  
**EP 3271254 B1 20180912 (DE)**

Application  
**EP 16745427 A 20160720**

Priority  
• DE 102015119153 A 20151106  
• EP 2016067281 W 20160720

Abstract (en)  
[origin: WO2017076522A1] The invention relates to a device (1) for labeling individual packages (2), which device has a feed apparatus (3), a dispensing apparatus (4), an application apparatus (6), and a control apparatus (7), wherein the application apparatus (6) has a punch (10) having a punch shank (8) and a punch base (9) for moving the dispensed label (5) from at least one receiving position (A, A') to at least one discharge position (B), wherein the punch shank (8) extends from a first shank end (8a) to a second shank end (8b), to which the punch base (9) having the punch shank (8) is connected, in an extension direction (E), wherein the punch shank (8) is mounted in the application apparatus (6) such that the punch shank (8) can carry out movements parallel to at least three different directions (X, Y, Z, C), wherein the application apparatus (6) has a plurality of motors (11, 12, 13, 14) controlled by the control apparatus (7), of which each effects another of the movements (X, Y, Z, C). In order to label individual packages at the maximum possible speed, the control apparatus (7) according to the invention is configured such that the punch shank (8) is simultaneously movable parallel to at least three of the directions (X, Y, Z, C), and the motors (11, 12, 13, 14), which effect the simultaneous movement of the punch shank (8), are mounted in the in the application apparatus (6) such that, during simultaneous movement of the punch shank (8) parallel to the at least three directions (X, Y, Z, C), none of said motors (11, 12, 13, 14) changes its position relative to the at least two others of said motors (11, 12, 13 and 14). The invention further relates to a corresponding method for labeling individual packages (2).

IPC 8 full level  
**B65C 9/36** (2006.01); **B65C 9/40** (2006.01)

CPC (source: EP US)  
**B65C 9/36** (2013.01 - EP US); **B65C 9/40** (2013.01 - EP US); **B65C 9/1884** (2013.01 - EP US)

Cited by  
EP4105134A1; EP4234420A3

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

DOCDB simple family (publication)  
**WO 2017076522 A1 20170511**; CA 3001633 A1 20170511; CN 108349618 A 20180731; DE 102015119153 A1 20170511;  
DK 3271254 T3 20190114; EP 3271254 A1 20180124; EP 3271254 B1 20180912; ES 2701375 T3 20190221; PL 3271254 T3 20190131;  
US 2018305062 A1 20181025

DOCDB simple family (application)  
**EP 2016067281 W 20160720**; CA 3001633 A 20160720; CN 201680064777 A 20160720; DE 102015119153 A 20151106;  
DK 16745427 T 20160720; EP 16745427 A 20160720; ES 16745427 T 20160720; PL 16745427 T 20160720; US 201615767952 A 20160720