

Title (en)

COMMAND AND CONTROL APPARATUS TO CONTROL AND COMMAND OPERATING UNITS OF A PACKING MACHINE AND CORRESPONDING METHOD

Title (de)

BEFEHLS- UND STEUERUNGSVORRICHTUNG ZUR STEUERUNG UND ANWEISUNG VON BETRIEBSEINHEITEN EINER VERPACKUNGSMASCHINE UND ENTSPRECHENDES VERFAHREN

Title (fr)

APPAREIL DE COMMANDE ET DE CONTRÔLE POUR CONTRÔLER ET COMMANDER DES UNITÉS OPÉRATIVES D'UNE MACHINE DE CONDITIONNEMENT ET PROCÉDÉ CORRESPONDANT

Publication

EP 2668104 B1 20170405 (EN)

Application

EP 12710114 A 20120123

Priority

- IT MI20110092 A 20110126
- IB 2012000085 W 20120123

Abstract (en)

[origin: WO2012101493A1] Apparatus to control operating units of a packing machine (1) suitable to complete organized groups of smoking articles with the required accessories, comprising a central wrapping wheel (13), to complete at least one organized group of smoking articles with a collar (6) and at least a second external wrapping sheet (8), the wrapping wheel (13) comprising peripheral reception drawers (14) and at least one or more of the following operating units (22, 25, 26, 27, 34, 37): movement means (9), positioning means (25), transfer means (22), transfer means (27) of the wheel type or linear, wheel type final packaging and wrapping means (34). Said command and control apparatus comprises step-wise servomotors (71) each provided with a position transducer and governed by a central command and control unit (100) of the programmable type and comprising programmable data and times base means (101) which contain information relating at least to one or more work cycles to be carried out, said wrapping wheel (13) being associated for the purposes of the control and command in a bidirectional and independent manner with the step-wise servomotor (71) of each operating unit (22, 25, 26, 27, 34, 37) governed by the central unit (100), the central unit (100) being configured to determine, for each pair (A, B; A, B I; A, B2; A, B3; A, B4) of step-wise servomotors (71) associated with the wrapping wheel (13) and the operating units (22, 25, 26, 27, 34, 37), a univocal and bidirectional dialog, said univocal and bidirectional dialog being assisted by the central unit (100) and involving the position transducer of both step-wise servomotors (71) involved, said univocal and bidirectional dialog serving, through the central unit (100), every other pair (A, B; A, B I; A, B2; A, B3; A, B4) generated between the wrapping wheel (13) and the operating units (22, 25, 26, 27, 34, 37).

IPC 8 full level

B65B 19/22 (2006.01); **B65B 57/12** (2006.01)

CPC (source: EP)

B65B 19/223 (2013.01); **B65B 19/228** (2013.01); **B65B 19/28** (2013.01); **B65B 57/12** (2013.01); **B65B 2220/16** (2013.01)

Citation (opposition)

Opponent : Focke & CO

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DE102018127823A1; EP4215626A1

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 2012101493 A1 20120802; CN 103596845 A 20140219; CN 103596845 B 20150708; EP 2668104 A1 20131204; EP 2668104 B1 20170405; IN 1546MUN2013 A 20150612; IT 1403907 B1 20131108; IT MI20110092 A1 20120727; PL 2668104 T3 20171031; RU 2013138623 A 20150310; RU 2587052 C2 20160610

DOCDB simple family (application)

IB 2012000085 W 20120123; CN 201280011702 A 20120123; EP 12710114 A 20120123; IN 1546MUN2013 A 20130813; IT MI20110092 A 20110126; PL 12710114 T 20120123; RU 2013138623 A 20120123