

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

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Application

EP 12710114 A 20120123

Priority

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- 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

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Citation (search report)

See references of WO 2012101493A1

Citation (third parties)

Third party :

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- DE 19735942 A1 19990304 - ELAU ELEKTRONIK AUTOMATIONS AG [DE]
- DE 3615442 A1 19861113 - FUJI MACHINERY CO [JP]
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- US 5458075 A 19951017 - TICE WILLIAM A [US], et al
- "SERVOMOTOR", WIKIPEDIA, DIE FREIE ENZYKLOPÄDIE, 9 September 2014 (2014-09-09), pages 1 - 2, XP003035822, Retrieved from the Internet <URL:HTTPS://DE.WIKIPEDIA.ORG/WIKI/SERVOMOTOR>
- ARC ADVISORY GROUP: "PAVING THE WAY FOR GENERATION 3 PACKAGING MACHINERY", ARC BRIEF, 2002, pages 1 - 7, XP003035823

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DOCDB simple family (application)

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