

Title (en)

Packaging machine, especially for making cigarette packages

Title (de)

Verpackungsmaschine, insbesondere zum Herstellen von Zigarettencigarettenpackungen

Title (fr)

Machine d'emballage, spécialement pour fabriquer des emballages pour cigarettes

Publication

EP 0844178 B2 20090826 (DE)

Application

EP 97119514 A 19971107

Priority

DE 19648221 A 19961121

Abstract (en)

[origin: EP0844178A1] The machine consists of several units and incorporates conveyors for the cigarettes or packets and a U-shaped switching cabinet (14) containing electrical controls. The machine units are enclosed by a housing and or interconnected housings (11,12,13). The switchgear cabinet and packaging machine (10) form a unit. The controls are installed in several part-cabinets (15,16,17) connected to the machine housing and or housings. Two upright part-cabinets (15,16) are positioned on facing sides of the packaging machine. A transverse cabinet (17) is above and preferably spaced apart from the packaging machine. The transverse cabinet consists of connected sections (19,20,21).

IPC 8 full level

B65B 19/02 (2006.01); **B65B 65/00** (2006.01)

CPC (source: EP)

B65B 19/02 (2013.01); **B65B 65/00** (2013.01)

Citation (opposition)

Opponent :

- DE 3919704 A1 19900111 - HEHL KARL [DE]
- US 4976598 A 19901211 - HEHL KARL [DE]
- US 5347791 A 19940920 - GINZL JEFFREY A [US], et al
- US 4807420 A 19890228 - BARKER MICHAEL J [GB]
- DE 2852890 A1 19800619 - ROVEMA GMBH

Cited by

EP1004509A3; EP0844178A1; JP2000124627A

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

EP 0844178 A1 19980527; **EP 0844178 B1 20040303**; **EP 0844178 B2 20090826**; BR 9705766 A 19990518; CN 1083791 C 20020501; CN 1183365 A 19980603; DE 19648221 A1 19980528; DE 59711365 D1 20040408; JP H10287304 A 19981027

DOCDB simple family (application)

EP 97119514 A 19971107; BR 9705766 A 19971120; CN 97123150 A 19971120; DE 19648221 A 19961121; DE 59711365 T 19971107; JP 32010397 A 19971120