

Title (en)
Packaging machine with simulated cams

Title (de)
Verpackungsmaschine mit simulierten Nocken

Title (fr)
Machine d'emballage à cames simulées

Publication
EP 1710162 A1 20061011 (EN)

Application
EP 06006339 A 20060328

Priority
IT MI20050119 U 20050408

Abstract (en)
A packaging machine comprises means (11) for forming a tube of slideable film (12) arranged around a sequence of products and is provided with a transverse welding station (14) of the tube with a pair of welding bars (15, 16). The welding station (14) comprises a first motor-driven movement unit (18) for moving the bars towards and away from one another in a normal direction to the sliding direction of the tube of film, and a second motor-driven movement unit (19) for moving the first motor-driven movement unit in a direction parallel to the sliding direction of the film. Electronic control means (20, 21, 22) commands the first and second movement unit in a synchronised manner to make the welding bars perform interpolated curves that simulate cam profiles.

IPC 8 full level
B65B 51/30 (2006.01); **B65B 9/067** (2012.01)

CPC (source: EP)
B65B 9/067 (2013.01); **B65B 51/30** (2013.01)

Citation (search report)

- [X] US 5689942 A 19971125 - SUGA YASUTAKA [JP]
- [XY] WO 9738905 A1 19971023 - TETRA PAK HOYER A S [DK], et al
- [Y] US 4729210 A 19880308 - GALLIANO MARIANO [CH]
- [PX] EP 1533106 A2 20050525 - OPM S P A [IT]

Cited by
CN103482141A; EP2465781A1; CN103482140A; US11273934B2; WO2009040297A3; DE102007007691A1; US8978349B2

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