

Title (en)
Improved machine for producing packaging cushions filled with air, or other gas, and method therefore

Title (de)
Vorrichtung und Verfahren für eine verbesserte Herstellung von Luftpolsterelementen

Title (fr)
Procédé et machine améliorés pour fabriquer des coussins d'air scellés

Publication
EP 2474412 A2 20120711 (EN)

Application
EP 11189492 A 20111117

Priority
IT PI20100133 A 20101123

Abstract (en)
A machine (1) for making packaging material in the form of cushions (100) of air, or other gas, comprises feeding rollers (21, 22) arranged to bring a web (10) of thermoplastic material along a longitudinal conveying direction (101). The web (10) comprises two films (10a, 10b) overlapped and can be unwound starting from a roll (20). When starting the machine (1), the web (10) is put on a longitudinal guide (30) arranged downstream of the feeding rollers (21) in the conveying direction of the web (10). The machine (1) comprises a means (50) for heating the web (10), arranged to cause a local melting the thermoplastic material along a longitudinal line (15). More in detail, the heating means (50) comprises at least one heating rod (51, 52), which in use is arranged in contact of the web (10) for causing a local softening to it. The, or each, heating rod (51, 52) comprises an electric resistance (53) coated with an outer layer (54) of a material having a low thermal transmission coefficient, for example less than about 0,5 W/mK such as polytetrafluoroethylene (PTFE), or Teflon.

IPC 8 full level
B31D 5/00 (2006.01)

CPC (source: EP)
B31D 5/0073 (2013.01); **B31D 2205/0047** (2013.01); **B31D 2205/0082** (2013.01)

Citation (applicant)
• US 2006218880 A1 20061005 - SPERRY LAURENCE B [US], et al
• US 2008250753 A1 20081016 - SPERRY LAURENCE [US], et al
• US 7490449 B1 20090217 - EIBERT RALPH [US]

Cited by
CN106363955A; CN105818440A

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

Designated extension state (EPC)
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EP 2474412 A2 20120711; EP 2474412 A3 20121024; IT 1403360 B1 20131017; IT PI20100133 A1 20120524

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EP 11189492 A 20111117; IT PI20100133 A 20101123