

Title (en)

Device apparatus and process for wrapping an item in a casing of sheet material

Title (de)

Gerätevorrichtung und Verfahren zum Verpacken eines Elements in einer Blattmaterialhülle

Title (fr)

Dispositif, appareil et procédé pour conditionner un article dans un boîtier de matériaux en feuille

Publication

EP 2366631 A1 20110921 (EN)

Application

EP 11158196 A 20110315

Priority

IT TO20100200 A 20100316

Abstract (en)

Device and apparatus for wrapping an item (P) in a casing formed by a pair of half-shells (2, 4) of sheeted material with a shape matching respective portions of the outer surface of said item (P) where said half-shells (2, 4) are provided with a respective flange (5, 7) surrounding the respective mouth contour and said flanges (5, 7) are connected together by folding and/or upsetting in such a way as to jointly define said casing, comprising a tool provided with an opening (38) with a profile (40) homologous and widened with respect to the perimeter profile defined by the distal end (5a, 7a) of said flanges (5, 7), said tool (36) being mobile in a direction orthogonal to the plane on which the proximal portion (5b, 7b) of said flanges (5, 7) lies, and also being mobile parallel to the plane of said proximal portion of the flanges, motor means (42) being envisaged arranged to position said caulking tool (36) with the profile (40) of said opening (38) in a surrounding relationship with said angled distal portion (5a, 7a) of said flanges (5, 7) and to bring a section of the profile (40) of said opening (38) into contact with a homologous section of the perimeter profile defined by said angled distal portion of said flanges (5, 7) and to cause a movement of approach towards said item (P) of said section of the profile of said opening (38) in contact with said distal portion (7a) to make it fold further on said proximal portion (5b, 7b) and to repeat the aforesaid operations on further sections of the profile of the distal portion (5a, 7a) of said flanges (5, 7).

IPC 8 full level

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CPC (source: EP)

B65B 7/2857 (2013.01); **B65B 11/50** (2013.01); **B65B 25/005** (2013.01); **B65B 47/06** (2013.01)

Citation (applicant)

- DE 1784647 U 19590305 - WILHELM RASCH KOMMANDITGESELLS [DE]
- GB 952925 A 19640318 - MALBA G M B H, et al

Citation (search report)

- [XA] FR 1343517 A 19631122 - FERRERO & C DI CILLARDIO PIERI
- [XA] DE 1260949 B 19680208 - MALBA G M B H, et al
- [XA] DE 227127 C
- [XA] DE 1247194 B 19670810 - JOHNSON CO GORDON
- [XDA] GB 952925 A 19640318 - MALBA G M B H, et al

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DOCDB simple family (application)

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