

Title (en)

Device and method for sealing and heat-shrinking a multi-pack wrapped in a sheet of heat-shrinkable material

Title (de)

Vorrichtung und Verfahren zum Versiegeln und Einschrumpfen einer in eine Schrumpffolie eingewickelten Mehrfachverpackung

Title (fr)

Dispositif et procédé pour sceller et rétreindre thermiquement plusieurs paquets enveloppés dans une feuille de matériau thermorétrécissable

Publication

**EP 2733076 A1 20140521 (EN)**

Application

**EP 12192845 A 20121115**

Priority

EP 12192845 A 20121115

Abstract (en)

The invention relates to a heating station for: i) receiving batches of packages (4) loosely wrapped in sheets (5) of a heat-shrinkable material, opposite ends of the latter overlapping and being interposed between the packages (4) and a porous conveying surface (P); and ii) sealing the overlapping opposite ends and heat-shrinking the sheets (5) about the batches; comprising a first and a second heat applicators (19, 20) operatively distinct from each other, for independently supplying a first and second thermal flows to the batches advancing on the porous conveying surface (P); the first heat applicator (19) being arranged below the porous conveying surface (P) to supply heat to the overlapping opposite ends, thereby sealing the sheets (5); the second heat applicator (20) being arranged above the porous conveying surface (P) to supply heat to the sheets (5) and complete the wrapping thereof.

IPC 8 full level

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CPC (source: EP)

**B65B 11/00** (2013.01); **B65B 51/20** (2013.01); **B65B 53/063** (2013.01); **B65B 59/04** (2013.01)

Citation (search report)

- [XY] WO 0236436 A1 20020510 - NEAGLE CLAUDE ANDREW [US], et al
- [Y] US 3389478 A 19680625 - CLINE LESLIE W
- [Y] GB 1062349 A 19670322 - ICI LTD
- [Y] EP 2105383 A1 20090930 - MULTIVAC HAGGENMUELLER GMBH [DE]
- [Y] DE 1561984 B1 19720120 - BECK HANS
- [A] DE 2533148 A1 19760212 - SITUNO HOLDING SA

Cited by

FR3090591A1; CN109693839A; DE102018132737A1; EP3118128A1; US11873151B1; US11970303B2; WO2023147271A1

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DOCDB simple family (application)

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