

Title (en)

Packaging machine

Title (de)

Verpackungsmaschine

Title (fr)

Machine d'emballage

Publication

EP 1714885 A1 20061025 (DE)

Application

EP 06007814 A 20060413

Priority

DE 102005018249 A 20050419

Abstract (en)

The machine has a unit for attachment of a cover foil on a packaging tray filled with a packaging material. A mechanical perforation unit (12) is provided for perforating the cover foil before the connection with the tray, where the perforation is provided in an area that is arranged above the tray after sealing the packing. The unit has a perforation roller. A positionable perforation tool has a controllable positioning unit. An independent claim is also included for a method of manufacturing a packaging of a synclinal package.

IPC 8 full level

B65B 61/02 (2006.01); **B65B 9/04** (2006.01); **B65B 25/04** (2006.01)

CPC (source: EP)

B65B 9/04 (2013.01); **B65B 25/041** (2013.01); **B65B 61/02** (2013.01)

Citation (search report)

- [E] EP 1647489 A2 20060419 - PERLE DU SUD [FR]
- [DX] DE 7533616 U
- [Y] US 2003185947 A1 20031002 - GARWOOD ANTHONY J M [US]
- [Y] WO 0212068 A1 20020214 - BACKUS SORMAC [NL], et al
- [A] US 6441340 B1 20020827 - VARRIANO-MARSTON ELIZABETH [US]

Cited by

EP1935787A1; DE102007013698A1; CN108190080A; EP2179824A1; US7950207B2; WO2009047539A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1714885 A1 20061025; EP 1714885 B1 20080813; AT E404437 T1 20080815; AT E434568 T1 20090715; DE 102006017887 A1 20061026; DE 202006020052 U1 20071108; DE 502006001296 D1 20080925; DE 502006004058 D1 20090806; EP 1806290 A1 20070711; EP 1806290 B1 20090624; ES 2312060 T3 20090216; ES 2330051 T3 20091203

DOCDB simple family (application)

EP 06007814 A 20060413; AT 06007814 T 20060413; AT 07008157 T 20060413; DE 102006017887 A 20060413; DE 202006020052 U 20060413; DE 502006001296 T 20060413; DE 502006004058 T 20060413; EP 07008157 A 20060413; ES 06007814 T 20060413; ES 07008157 T 20060413