

Title (en)
Device for treating packaging films

Title (de)
Vorrichtung zur Behandlung von Verpackungsfolien

Title (fr)
Dispositif de traitement de feuilles d'emballage

Publication
EP 2027994 B1 20160817 (DE)

Application
EP 08405041 A 20080214

Priority
• EP 07405248 A 20070823
• EP 08405041 A 20080214

Abstract (en)
[origin: EP2027994A2] The device has an embossing unit (2) comprising embossing rollers (3, 4, 5) with embossing structures (7) for pressing of a packing film and/or an embossing structure (8) for producing of an authentication object and/or logos on the packing film. Control units of embossing units are synchronized with a process cycle of a packing system. One of the control units makes the synchronization of a working cycle of one of the embossing units with a working cycle of the embossing unit (2). Another embossing unit of control units has folding rollers for attaching folding breaklines on the packing film. An independent claim is also included for a method for arranging packing films in a packing process.

IPC 8 full level
B31B 3/00 (2006.01); **B31B 50/25** (2017.01); **B31B 50/88** (2017.01); **B31F 1/07** (2006.01); **B65B 19/22** (2006.01)

CPC (source: EP US)
B31F 1/07 (2013.01 - EP US); **B31F 1/10** (2013.01 - EP US); **B65B 61/02** (2013.01 - EP US); **B31B 50/254** (2017.07 - EP US); **B31B 50/256** (2017.07 - EP US); **B31B 50/88** (2017.07 - EP US); **B31F 2201/0733** (2013.01 - EP US); **B31F 2201/0774** (2013.01 - EP US); **B31F 2201/0779** (2013.01 - EP US); **B65H 19/28** (2013.01 - EP US)

Cited by
EP2353858A1; EP2468493A1; WO2012085187A1; WO2011098376A1; EP2511088A1; CN103282192A; EP2705948A1; CN107466257A; CN110406707A; CN102069588A; ITBO20130418A1; EP2832535A1; RU2654449C2; US11253897B2; US9579924B2; WO2013156256A1; WO2012140016A1; EP2572820A1; DE202012012732U1; EP2655054A1; EP2399732A1; WO2011161002A2; US8932044B2; US9505167B2; US9481141B2; WO2013041430A1; EP2689883A1; US9242423B2; US10183318B2; EP2768626B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2027994 A2 20090225; EP 2027994 A3 20150318; EP 2027994 B1 20160817; BR PI0803355 A2 20090505; CN 101372158 A 20090225; CN 101372158 B 20121219; DE 202008018381 U1 20130522; EP 2027993 A1 20090225; JP 2009051214 A 20090312; JP 5361284 B2 20131204; PL 2027994 T3 20161230; RU 2008133800 A 20100227; RU 2483874 C2 20130610; US 2009050001 A1 20090226; US 9180643 B2 20151110

DOCDB simple family (application)
EP 08405041 A 20080214; BR PI0803355 A 20080821; CN 200810210019 A 20080822; DE 202008018381 U 20080214; EP 07405248 A 20070823; JP 2008213990 A 20080822; PL 08405041 T 20080214; RU 2008133800 A 20080819; US 22215908 A 20080804