Title (en)

DEVICE FOR EMBOSSING IN PARTICULAR THE COLLAR OF A HINGED-LID PACK FOR CIGARETTES

Title (de)

VORRICHTUNG ZUM PRÄGEN VON INSBESONDERE KRAGEN EINER KLAPPSCHACHTEL FÜR ZIGARETTEN

Title (fr)

DISPOSITIF D'ESTAMPAGE NOTAMMENT DE COLS D'UNE BOITE A COUVERCLE ARTICULE POUR CIGARETTES

Publication

EP 2445794 B2 20171122 (DE)

Application

EP 10723542 A 20100609

Priority

• EP 2010003448 W 20100609
• DE 102009030069 A 20090622

Abstract (en)

[origin: WO2010149268A1] In order to apply embossments (10) on webs or pre-cuts made of thin cardboard, particularly on pre-cuts for collars (13) of a cigarette pack of the hinged-lid pack type, the material web (18) made of thin cardboard is conveyed between rolls, that is, particularly between a cutter roll (19) and a counter roll (20). Both rolls (19, 20) are provided with embossing pieces (24, 25), which have corresponding structures for generating protrusions and depressions oriented transversely to the material web (18).

IPC 8 full level

B65B 19/22 (2006.01); **B31B 50/25** (2017.01); **B31B 50/88** (2017.01); **B31F 1/07** (2006.01); **B65B 61/02** (2006.01); **B65B 61/08** (2006.01)

CPC (source: EP)

B65B 19/228 (2013.01); **B65B 61/02** (2013.01); **B65B 61/08** (2013.01); B31B 50/88 (2017.07); B31F 2201/0733 (2013.01)

Citation (opposition)

Opponent :
• WO 2006012960 A1 20060209 - FOCKE & CO [DE], et al
• EP 2277787 A1 20110126 - FOCKE & CO [DE]
• WO 2005035234 A1 20050421 - KIMBERLY CLARK CO [US], et al
• GB 1521993 A 19780823 - ARMSTRONG CORK CO
• EP 1650016 A1 20060426 - GD SPA [IT]
• DE 155473 C
• EP 1103369 B1 20040811 - FOCKE & CO [DE]
• GB 2367262 B 20040512 - IND AUTOMATION SYSTEMS LTD [GB]

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009030069 A1 20101223; AU 2010265175 A1 20120119; AU 2010265175 B2 20150122; CN 102459005 A 20120516; CN 102459005 B 20150401; EP 2445794 A1 20120502; EP 2445794 B1 20140813; EP 2445794 B2 20171122; PL 2445794 T3 20141231; PL 2445794 T5 20180530; RU 2012101940 A 20130727; RU 2544149 C2 20150310; WO 2010149268 A1 20101229

DOCDB simple family (application)

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