

Title (en)
MELTING SYSTEM FOR BAGS

Title (de)
BEUTELSCHMELZER

Title (fr)
GÉNÉRATEUR DE COLLE À CHAUD

Publication
EP 2214839 B1 20160928 (DE)

Application
EP 08854100 A 20081128

Priority
• EP 2008010134 W 20081128
• DE 202007016705 U 20071128

Abstract (en)
[origin: WO2009068310A1] The invention relates to a device for successively melting a solid working material, such as a hot melt adhesive (16), packed in a packaging bag (18), and for pressing the molten working material out of the packaging bag, comprising a cylindrical receiving chamber (12) provided with at least one outlet opening (14A) at the end for receiving the packaging bag (18) filled with the working material and having a front end (18b) and a back end (18A). The invention further comprises at least one heating element (30) in the region of the at least one outlet opening (14A) for melting the working material at the front-end of the packaging bag (18) having a discharge opening (18C) for the molten working material, and further comprises a pressing device (20) with a pressing plunger (22) that can be displaced within the receiving chamber (12) and acts on the back end (18A) of the packaging bag (18). The device is protected from contaminations by molten working material when used with undersized packaging bags that are extremely filled in that the receiving chamber (12) at the outlet end (12D) thereof facing the at least one outlet opening (14A) comprises a ring-like constriction (40) with a peripherally sealing contact surface (40A) for the packaging bag (18) at least at the edge zone (18D) thereof surrounding the discharge opening (18C).

IPC 8 full level
B05C 5/04 (2006.01); **B05C 11/10** (2006.01); **B05C 17/005** (2006.01)

CPC (source: EP US)
B05C 11/1042 (2013.01 - EP US); **B05C 17/00576** (2013.01 - EP US)

Citation (examination)
• EP 0434617 A1 19910626 - CIBA GEIGY AG [CH]
• DE 102004011628 A1 20050929 - HS KLEBTEC KLEBETECHNIK UND SO [DE]

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)
DE 202007016705 U1 20090409; BR PI0819709 A2 20150616; BR PI0819709 B1 20200519; CN 101925413 A 20101222;
CN 101925413 B 20140917; EP 2214839 A1 20100811; EP 2214839 B1 20160928; ES 2607898 T3 20170404; JP 2011504858 A 20110217;
JP 5539217 B2 20140702; PL 2214839 T3 20170331; US 2010308079 A1 20101209; US 8833610 B2 20140916; WO 2009068310 A1 20090604

DOCDB simple family (application)
DE 202007016705 U 20071128; BR PI0819709 A 20081128; CN 200880125743 A 20081128; EP 08854100 A 20081128;
EP 2008010134 W 20081128; ES 08854100 T 20081128; JP 2010535297 A 20081128; PL 08854100 T 20081128; US 74528108 A 20081128