

Title (en)

Vented plastic bag

Title (de)

Kunststoffsack mit Überdruckenlüftung

Title (fr)

Sac en plastique ventilé

Publication

EP 1607339 B1 20080326 (DE)

Application

EP 04012528 A 20040527

Priority

EP 04012528 A 20040527

Abstract (en)

[origin: EP1607339A1] The flexible plastics packaging bag has a single wall enclosing a space (14) for a substance which may give off gas. The gas pressure relief system consists of a double-wall zone with holes (12) for pressure relief in the inner wall (5). Molded projections may act as spacers for the outer wall (6) defining a gas escape zone (4). The edges (2,3) of the outer wall are held in place by welded or glued seams (7,8). A section of welded seam contains a separating material (11) and may give way to release the gas if the pressure builds up.

IPC 8 full level

B65D 33/01 (2006.01); **B31B 50/62** (2017.01)

CPC (source: EP NO US)

B65D 33/00 (2013.01 - NO); **B65D 33/01** (2013.01 - EP NO US)

Citation (examination)

WO 2005092724 A1 20051006 - WACKER POLYMER SYSTEMS GMBH [DE], et al

Cited by

DE202014007340U1; CN106927129A; EP2168885A1; DE202006019054U1; EP2161210A1; EP2690030A3; AU2015317422B2; RU2686198C2; WO2014009527A1; WO2021094008A1; US10118736B2; WO2007087965A1; EP2792609A1; DE202014010715U1; WO2016041629A1; EP2149504A1; DE102008035700A1; US10759567B2; EP3052396B1

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

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1607339 A1 20051221; EP 1607339 B1 20080326; AT E390364 T1 20080415; BR PI0510651 A 20071120; BR PI0510651 B1 20170214; CA 2568289 A1 20051208; CA 2568289 C 20120814; CN 100532215 C 20090826; CN 1956893 A 20070502; CY 1110367 T1 20150429; DE 202005021161 U1 20070405; DE 502004006665 D1 20080508; DK 1607339 T3 20080721; EA 010143 B1 20080630; EA 200602128 A1 20070427; ES 2305612 T3 20081101; IL 179247 A0 20070308; IL 179247 A 20101130; JP 2008500241 A 20080110; MX PA06013132 A 20070724; NO 20064965 L 20070227; NO 344897 B1 20200622; PL 1607339 T3 20081031; PT 1607339 E 20080630; SI 1607339 T1 20080831; US 2005281493 A1 20051222; US 2011188786 A1 20110804; US 7927015 B2 20110419; US 8371752 B2 20130212; WO 2005115856 A1 20051208

DOCDB simple family (application)

EP 04012528 A 20040527; AT 04012528 T 20040527; BR PI0510651 A 20050527; CA 2568289 A 20050527; CN 200580016760 A 20050527; CY 081100662 T 20080624; DE 202005021161 U 20050527; DE 502004006665 T 20040527; DK 04012528 T 20040527; EA 200602128 A 20050527; EP 2005005719 W 20050527; ES 04012528 T 20040527; IL 17924706 A 20061114; JP 2007513810 A 20050527; MX PA06013132 A 20050527; NO 20064965 A 20061030; PL 04012528 T 20040527; PT 04012528 T 20040527; SI 200430749 T 20040527; US 13864105 A 20050527; US 201113038458 A 20110302