

Title (en)

Closure film with integrated opening

Title (de)

Verschlussfolie mit integrierter Öffnung

Title (fr)

Feuille de fermeture avec ouverture intégrée

Publication

EP 2599735 B1 20160413 (DE)

Application

EP 12193990 A 20121123

Priority

AT 17692011 A 20111130

Abstract (en)

[origin: EP2599735A1] The sealing film (10) comprises a single layer group (100), and a discharge portion (14) defined with a line of weakness (11) at the periphery, which is weakened for separating the discharge portion in the opened state of the packaging container (2), for discharging the contents (4) of packaging container. At least one of the lines of weakness is weakened by applying laser beam at one-side and/or double side of the sealing film. The single layer group of the sealing film is formed by a single film sheet. An independent claim is included for a package.

IPC 8 full level

B65D 77/20 (2006.01)

CPC (source: EP)

B65D 77/2048 (2013.01)

Citation (examination)

- WO 2005009868 A1 20050203 - KAGAWA ATSUKO [JP], et al
- JP 2000203654 A 20000725 - DAINIPPON PRINTING CO LTD, et al

Citation (opposition)

- Opponent : Constantia Flexibles International GmbH
- JP 2002160758 A 20020604 - TOPPAN PRINTING CO LTD
 - WO 2004106189 A1 20041209 - KAGAWA ATSUKO [JP], et al
 - JP 2011046385 A 20110310 - KYODO PRINTING CO LTD
 - EP 1544127 A1 20050622 - AMCOR FLEXIBLES EUROPE [DK]
 - US 2005150891 A1 20050714 - SCHALK GERWIN [NL], et al
 - WO 9419256 A1 19940901 - VER COOP MELKIND [NL], et al

Cited by

EP3022121A4; US10604315B2; US11254481B2; US10934069B2; WO2017160674A1; WO2015020727A1; WO2019079588A1; US11673728B2; US11866242B2; US10196174B2; US10954032B2; US9096346B2; US10150589B2; US10150590B2; US11708198B2; US11724863B2; WO2023283087A1; US10556732B2; US10899506B2; US11059644B2; US11401080B2

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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2599735 A1 20130605; EP 2599735 B1 20160413; AT 13463 U1 20140115; AT 512261 A1 20130615

DOCDB simple family (application)

EP 12193990 A 20121123; AT 17692011 A 20111130; AT 80622013 U 20111130