

Title (en)

Can end comprising a cover ring portion and a sealing diaphragm

Title (de)

Dosendeckel mit Deckelring und Verschlussmembran

Title (fr)

Couvercle pour une boîte comportant une collerette et une membrane de fermeture

Publication

EP 1777165 A1 20070425 (DE)

Application

EP 05405593 A 20051020

Priority

EP 05405593 A 20051020

Abstract (en)

The lid for tins has a flange (22) which fits inside a ring around the lip of the tin and a vertical outer wall (18) with a curved top (20) which fits over its outer edge. The lid has a central aperture (24) which is covered by a membrane (14). This can move between two mirror image positions in which it is curved downwards or upwards. An independent claim is included for a method for making the lid.

IPC 8 full level

B65D 17/50 (2006.01)

CPC (source: EP US)

B21D 51/44 (2013.01 - EP); **B65D 17/502** (2013.01 - EP US)

Citation (applicant)

EP 1153840 A1 20011114 - RASSELSTEIN HOESCH GMBH [DE]

Citation (search report)

- [X] WO 2005005277 A1 20050120 - CROWN PACKAGING TECHNOLOGY INC [US], et al
- [X] DE 10338445 A1 20050331 - IMPRESS GROUP BV [NL]
- [AD] EP 1153840 A1 20011114 - RASSELSTEIN HOESCH GMBH [DE]

Cited by

CN109789947A; CH705595A1; US9475620B2; WO2012072383A1; WO2018024376A1; US9617056B2; US10017313B2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1777165 A1 20070425; AT E442996 T1 20091015; CY 1110072 T1 20150114; DE 502006004890 D1 20091029; DK 1945522 T3 20100125; EP 1945522 A1 20080723; EP 1945522 B1 20090916; ES 2333167 T3 20100217; PL 1945522 T3 20100226; PT 1945522 E 20091211; SI 1945522 T1 20100129; WO 2007045385 A1 20070426

DOCDB simple family (application)

EP 05405593 A 20051020; AT 06806178 T 20061011; CY 091101287 T 20091209; DE 502006004890 T 20061011; DK 06806178 T 20061011; EP 06806178 A 20061011; EP 2006009808 W 20061011; ES 06806178 T 20061011; PL 06806178 T 20061011; PT 06806178 T 20061011; SI 200630493 T 20061011