

Title (en)

TIN CAN WITH A FOIL CLOSURE MEMBRANE, AND A PROCESS, DEVICE AND FOIL FOR MANUFACTURING THE CAN

Title (de)

DOSE MIT EINER VERSCHLUSSMEMBRAN AUS FOLIE, SOWIE VERFAHREN, VORRICHTUNG UND FOLIE ZUR HERSTELLUNG DER DOSE

Title (fr)

BOITE MUNIE D'UNE MEMBRANE DE FERMETURE EN FEUILLE, AINSI QUE PROCEDE, DISPOSITIF ET FEUILLE POUR LA FABRICATION DE CETTE BOITE

Publication

EP 0819086 A1 19980121 (DE)

Application

EP 96910945 A 19960330

Priority

- EP 9601410 W 19960330
- EP 95104906 A 19950402

Abstract (en)

[origin: WO9631406A1] The tin can is closed by a paper, plastic or metal-foil membrane (2) on at least one end face in such a way that the outer side of the foil edge region (5) raised in the direction of the can's axis (A) is joined to the essentially cylindrical inner surface of the wall of the can (1) to form a seal, without covering the wall edge of the can. The membrane foil (2) with the raised foil edge region (5) is introduced into the can and forced against the inner wall of the can (1) by a die (8) with an expandable periphery (17). Heat is then applied to create a sealing join between the raised foil edge region (5) and the inner wall of the can (1) without any external pressure-absorbing device.

IPC 1-7

B65D 51/20; **B65B 7/28**

IPC 8 full level

B21D 51/26 (2006.01); **B65B 7/28** (2006.01); **B65D 8/18** (2006.01); **B65D 51/20** (2006.01); **B65D 77/20** (2006.01)

CPC (source: EP KR)

B21D 51/26 (2013.01 - EP); **B65B 7/2878** (2013.01 - EP); **B65D 51/20** (2013.01 - EP KR); **B65D 2251/0018** (2013.01 - EP); **B65D 2251/0093** (2013.01 - EP); **B65D 2577/2058** (2013.01 - EP)

Citation (search report)

See references of WO 9631406A1

Cited by

DE202008005479U1; EP2143509A2; US9895737B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9631406 A1 19961010; AT E174859 T1 19990115; AU 5398796 A 19961023; AU 694023 B2 19980709; BR 9604869 A 19991130; CA 2217311 A1 19961010; CA 2217311 C 19990525; CN 1063401 C 20010321; CN 1185138 A 19980617; DE 59601055 D1 19990204; DK 0819086 T3 19990823; EP 0819086 A1 19980121; EP 0819086 B1 19981223; ES 2127634 T3 19990416; GR 3029457 T3 19990528; JP 3689115 B2 20050831; JP H11509810 A 19990831; KR 100526838 B1 20060621; KR 19980703504 A 19981105; KR 20050038655 A 20050427; NZ 305862 A 19991028; ZA 962628 B 19961007

DOCDB simple family (application)

EP 9601410 W 19960330; AT 96910945 T 19960330; AU 5398796 A 19960330; BR 9604869 A 19960330; CA 2217311 A 19960330; CN 96194081 A 19960330; DE 59601055 T 19960330; DK 96910945 T 19960330; EP 96910945 A 19960330; ES 96910945 T 19960330; GR 990400542 T 19990219; JP 52996796 A 19960330; KR 19970706908 A 19971001; KR 20057005324 A 20050328; NZ 30586296 A 19960330; ZA 962628 A 19960402