

Title (en)
TUBULAR CARDBOARD SEALING SYSTEM, AND BOX AND BOX LID THEREOF

Title (de)
KARTON-ROHRABSCHLUSS, SOWIE DOSE UND DOSENDECKEL DAMIT

Title (fr)
FERMETURE TUBULAIRE EN CARTON, AINSI QUE BOITE ET COUVERCLE ASSOCIES

Publication
EP 0912403 A1 19990506 (DE)

Application
EP 97929206 A 19970618

Priority

- EP 97929206 A 19970618
- EP 9703162 W 19970618
- EP 96110000 A 19960620

Abstract (en)
[origin: WO9748609A1] The invention relates to a cardboard tubular casing (1, 2) which is closed to form a tubular sealing system having a cardboard sealing member (3, 4) with a sealing surface (3a, 4a) which is substantially in the plane sealing the tubular casing (1, 2). Only one contact surface (2c, 4c) of a collar (3b, 4b) of the sealing member (3, 4) is connected to a contact surface (1c, 2c) of the casing (1, 2). Connection is simplified by only using one collar (3b, 4b) of the sealing member (3, 4) without a bead but it is still sufficiently strong. The tubular sealing system, for boxes, which is flush with the end surface can also be in the form of a scattering diaphragm with at least one outlet (6) and optionally a cover lug (5). A box with said sealing member (4) can easily be sealed tightly with a cover (3) which can be positioned over the box and is preferably also in the form of a tubular sealing system according to the invention.

IPC 1-7
B65D 3/12

IPC 8 full level
B65D 3/12 (2006.01); **B65D 51/18** (2006.01)

CPC (source: EP US)
B65D 51/18 (2013.01 - EP US); **B65D 2251/0018** (2013.01 - EP US); **B65D 2251/0087** (2013.01 - EP US)

Citation (search report)
See references of WO 9748609A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
WO 9748609 A1 19971224; AT E195292 T1 20000815; AU 3339997 A 19980107; AU 726365 B2 20001102; CA 2257956 A1 19971224; CA 2257956 C 20060815; DE 59702154 D1 20000914; DK 0912403 T3 20001218; EP 0912403 A1 19990506; EP 0912403 B1 20000809; ES 2151283 T3 20001216; US 5901902 A 19990511; ZA 975491 B 19980123

DOCDB simple family (application)
EP 9703162 W 19970618; AT 97929206 T 19970618; AU 3339997 A 19970618; CA 2257956 A 19970618; DE 59702154 T 19970618; DK 97929206 T 19970618; EP 97929206 A 19970618; ES 97929206 T 19970618; US 87905797 A 19970619; ZA 975491 A 19970620