

Title (en)  
Closure device

Title (de)  
Verschlusseinrichtung

Title (fr)  
Dispositif de fermeture

Publication  
**EP 0688936 A1 19951227 (EN)**

Application  
**EP 95500086 A 19950620**

Priority  
ES 9401354 A 19940621

Abstract (en)  
Enhanced enclosure, incorporating two vertical pillars (1) with anti-friction elements (5), encompassing their total height thereof defining two slots in which are guided the respective sides of an enclosing laminar element (4), related to a motor driven roller located in the upper pillar area, presenting the laminar element at its sides two stop alignments (6) that move vertically behind the anti-friction elements in order to attach the laminar ends to the pillars. The anti-friction elements may define one or more inlets allowing their freedom through the effect of pressure during the lowering motion of the laminar element. This enclosure is used to seal an internal or external pass-through area, by way of a rolling laminar element. <IMAGE>

IPC 1-7  
**E06B 9/58**

IPC 8 full level  
**E06B 9/58** (2006.01)

CPC (source: EP ES)  
**E06B 9/581** (2013.01 - EP ES); **E06B 9/582** (2013.01 - EP); **E06B 2009/585** (2013.01 - EP)

Citation (search report)

- [XY] US 4884617 A 19891205 - COENRAETS BENOIT J [BE]
- [XA] CA 1224402 A 19870721 - COPPER CLIFF DOOR MANUFACTURIN
- [Y] EP 0507136 A2 19921007 - KRALER FRANZ [AU]
- [YA] US 4478268 A 19841023 - PALMER GLENN R [CA]
- [A] EP 0157198 A2 19851009 - SCHIEFFER GMBH CO KG [DE]

Cited by  
EP1491712A3; BE1014506A3; FR2762642A1; CZ298010B6; US7036549B2; WO03048498A1; US9493984B2; US9222304B2; WO9848139A1; US6192960B1; US6481487B2

Designated contracting state (EPC)  
DE FR IT PT

DOCDB simple family (publication)  
**EP 0688936 A1 19951227; EP 0688936 B1 19981202**; DE 69506325 D1 19990114; DE 69506325 T2 19990617; ES 2128886 A1 19990516; ES 2128886 B1 20000116; ES 2149651 A1 20001101; ES 2149651 B1 20010516; ES 2191509 A1 20030901; ES 2191509 B1 20040616

DOCDB simple family (application)  
**EP 95500086 A 19950620**; DE 69506325 T 19950620; ES 200001160 A 20000509; ES 9401354 A 19940621; ES 9700446 A 19970228