

Title (en)
PLASTIC CLOSURE UNIT AND PROCESS FOR PRODUCING THE SAME.

Title (de)
VERSCHLUSSEINHEIT AUS KUNSTSTOFF UND VERFAHREN ZU DEREN HERSTELLUNG.

Title (fr)
DISPOSITIF DE BOUCHAGE EN PLASTIQUE ET SON PROCEDE DE FABRICATION.

Publication
EP 0656857 A1 19950614 (DE)

Application
EP 94920463 A 19940626

Priority
• CH 197393 A 19930630
• CH 197493 A 19930630
• EP 9402072 W 19940626

Abstract (en)
[origin: WO9501288A2] A closure unit consists of a pouring part (10) and of a closure part (20) linked to the pouring-part even in the open state. In the closed state of the closure unit, both parts are sealed with respect to each other by a pair of sealing surfaces. The closure unit has an area made of a pouring-part material (A) and an area made of a closing-part material (B). Both areas are joined together by a joint line. The path of the joint line through the closure unit is such that at least parts of the sealing surface at the side of the pouring-part are made of the pouring-part material and at least parts of the sealing surface at the side of the closure part are made of the closure-part material. The closure unit is produced by a simultaneous casting process. The materials are matched and the casting parameters of both simultaneous casting processes are set in such a way that both materials meet at the position of the future joint line and form a joint line (31). The position and form of the joint line may further be determined by movable casting mould parts (slides).

IPC 1-7
B65D 47/14; **B29C 45/16**

IPC 8 full level
B29C 45/00 (2006.01); **B29C 45/16** (2006.01); **B65D 47/14** (2006.01)

CPC (source: EP US)
B29C 45/0081 (2013.01 - EP US); **B29C 45/16** (2013.01 - EP US); **B65D 47/14** (2013.01 - EP US); **B65D 47/141** (2013.01 - EP US); **B29L 2031/565** (2013.01 - EP US); **Y10T 428/214** (2015.01 - EP US); **Y10T 428/218** (2015.01 - EP US); **Y10T 428/24942** (2015.01 - EP US); **Y10T 428/31504** (2015.04 - EP US); **Y10T 428/31736** (2015.04 - EP US); **Y10T 428/3175** (2015.04 - EP US); **Y10T 428/31797** (2015.04 - EP US); **Y10T 428/31909** (2015.04 - EP US)

Citation (search report)
See references of WO 9501288A2

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

DOCDB simple family (publication)
WO 9501288 A2 19950112; **WO 9501288 A3 19950223**; AU 7124594 A 19950124; CA 2142274 A1 19950112; EP 0656857 A1 19950614; JP H08500802 A 19960130; US 5863655 A 19990126

DOCDB simple family (application)
EP 9402072 W 19940626; AU 7124594 A 19940626; CA 2142274 A 19940626; EP 94920463 A 19940626; JP 50325595 A 19940626; US 38793695 A 19950615