

Title (en)
MULTICOLOUR AND MULTIPLE MATERIAL INJECTION MOULDING OF A CAPSULE PROVIDED WITH A CAP PIVOTING ABOUT A HINGE

Title (de)
SPRITZGIESSEN MIT MEHREREN MATERIALIEN UND MEHREREN FARBEN EINER VERSCHLUSSKAPPE MIT EINER SCHARNIERENDEN ABDECKUNG

Title (fr)
MOULAGE PAR INJECTION MULTIMATIERE MULTICOULEUR D'UNE CAPSULE MUNIE D'UNE COIFFE PIVOTANT AUTOUR D'UNE CHARNIERE

Publication
EP 1272326 A1 20030108 (FR)

Application
EP 01923772 A 20010410

Priority

- FR 0101084 W 20010410
- FR 0004857 A 20000414

Abstract (en)
[origin: WO0178958A1] The invention concerns a method for sequential moulding with multiple materials for making a piece comprising at least two parts with matching shapes produced in a different plastic material, mobile relative to each other by pivoting about a hinge, which consists in: using a moulding equipment comprising a second mould (30) and a first mould (31) whereof the assembled impressions define the cavity of the open part, the mobile portions forming between them an angle of about 180 DEG , one of the moulds (31) comprising a housing wherein slides a gate (35), capable of blocking the flow of the first plastic material; injecting the first portion (32, 34) with a first plastic material, the gate (35) providing with its side wall an obstacle to the flow of said first plastic material at the fasteners of the elements of the hinge on the second piece; causing the gate (35) to open and injecting the second plastic material into the second portion (33) of the piece.

IPC 1-7
B29C 45/16; **B65D 47/08**

IPC 8 full level
B29C 45/16 (2006.01); **B65D 47/08** (2006.01)

CPC (source: EP US)
B29C 45/1639 (2013.01 - EP US); **B65D 47/08** (2013.01 - EP US); **B29L 2031/565** (2013.01 - EP US)

Citation (search report)
See references of WO 0178958A1

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

DOCDB simple family (publication)
WO 0178958 A1 20011025; AR 027784 A1 20030409; AU 5046301 A 20011030; BR 0110026 A 20030218; EP 1272326 A1 20030108; FR 2807698 A1 20011019; FR 2807698 B1 20030307; MX PA02010024 A 20030425; PL 357867 A1 20040726; RU 2002130501 A 20040327; RU 2222427 C1 20040127; US 2003178744 A1 20030925

DOCDB simple family (application)
FR 0101084 W 20010410; AR P010101675 A 20010409; AU 5046301 A 20010410; BR 0110026 A 20010410; EP 01923772 A 20010410; FR 0004857 A 20000414; MX PA02010024 A 20010410; PL 35786701 A 20010410; RU 2002130501 A 20010410; US 25752203 A 20030523