

Title (en)
MOLDING MULTI-LAYERED ARTICLES USING COINJECTION TECHNIQUES

Title (de)
SPRITZGIESSEN VON MEHRLAGIGEN FORMTEILEN UND COINJEKTIONS-METHODEN

Title (fr)
MOULAGE D'ARTICLES MULTICOUCHES AU MOYEN DE TECHNIQUES DE CO-INJECTION

Publication
EP 1189738 A1 20020327 (EN)

Application
EP 99917614 A 19990420

Priority
US 9908536 W 19990420

Abstract (en)
[origin: WO0062997A1] A multi-cavity coinjection mold and method for simultaneously producing a plurality of multi-layered articles comprising: a mold structure defining a plurality of mold cavities; a first supply source for supplying metered amounts of a first molding material; a second supply source for supplying metered amounts of a second molding material; a hot runner system (22, 24) in communication with the first and second supply sources for conveying the metered amounts of the first and the second materials separately to a region proximate each of the cavities; the region comprising having a pin (30) controlled passage (16) leading to proximate cavity (12) by way of a gate (14) having the same cross section as the passage (16), the pin (30) scavenging material from the passage and providing cavity packing.

IPC 1-7
B29C 45/16; **B29C 45/22**; **B29C 45/23**

IPC 8 full level
B29C 45/16 (2006.01)

CPC (source: EP)
B29C 45/1603 (2013.01); **B29C 45/02** (2013.01)

Citation (search report)
See references of WO 0062997A1

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

DOCDB simple family (publication)
WO 0062997 A1 20001026; AU 3569399 A 20001102; CA 2366986 A1 20001026; EP 1189738 A1 20020327; MX PA01010697 A 20030820

DOCDB simple family (application)
US 9908536 W 19990420; AU 3569399 A 19990420; CA 2366986 A 19990420; EP 99917614 A 19990420; MX PA01010697 A 19990420