



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ :

B29C 45/73

A1

(11) International Publication Number:

WO 00/48815

(43) International Publication Date:

24 August 2000 (24.08.00)

(21) International Application Number: PCT/CA00/00151

(22) International Filing Date: 16 February 2000 (16.02.00)

(30) Priority Data:

2,262,176

17 February 1999 (17.02.99)

CA

(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application

US

09/261,467 (CON)

Filed on

24 February 1999 (24.02.99)

(71)(72) Applicant and Inventor: GELLERT, Jobst, Ulrich
[CA/CA]; 7A Prince Street, Georgetown, Ontario L7G 2X1
(CA).(74) Agent: BERESKIN & PARR; 40th floor, 40 King Street West,
Toronto, Ontario M5H 3Y2 (CA).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

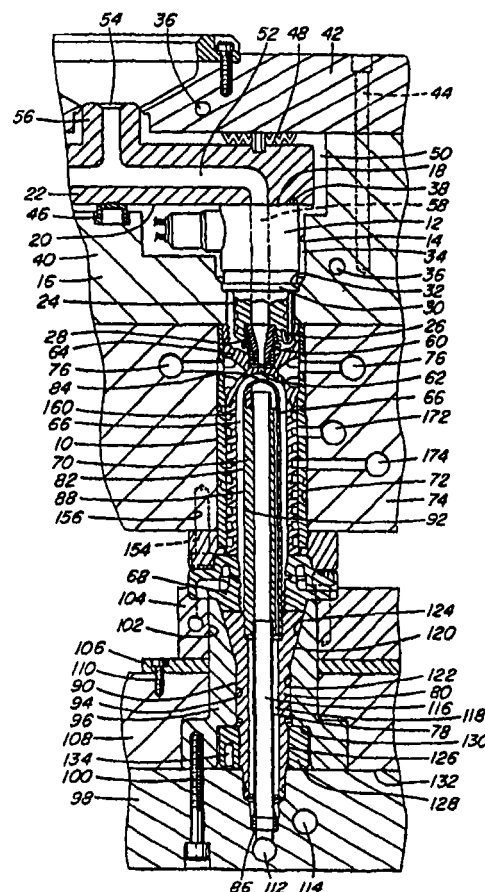
*With international search report.**Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.*

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(54) Title: INJECTION MOLDING COOLED CAVITY INSERT

(57) Abstract

Injection molding apparatus having a cavity insert (10) with integral inner and outer portions (136, 138) having a cooling fluid flow channel (166) extending therebetween. In a preferred embodiment, the cooling fluid flow channel (166) is formed by a groove (164) machined in the outer surface (162) of the inner portion (136). This brings the cooling fluid flow closer to the cavity (66) and improves cooling efficiency and reduces cycle time.



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