

08/05/02
2002027324

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



162162

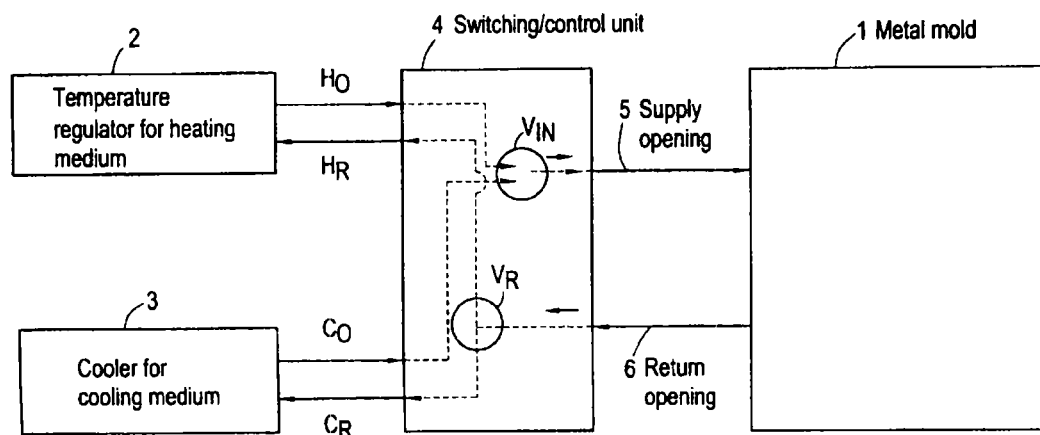
(43) International Publication Date
31 May 2001 (31.05.2001)

PCT

(10) International Publication Number
WO 01/38062 A3

- (51) International Patent Classification⁷: **B29C 45/73** (74) Agents: **SNYDER, Bernard**; General Electric Company, 3135 Easton Turnpike W3C, Fairfield, CT 06431 et al. (US).
- (21) International Application Number: PCT/US00/31966
- (22) International Filing Date:
21 November 2000 (21.11.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/334507 25 November 1999 (25.11.1999) JP
- (71) Applicant (for all designated States except US): **GENERAL ELECTRIC COMPANY** [US/US]; 1 River Road, Schenectady, NY 12345 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **EBIZAWA, Atusushi** [JP/JP]; Nihon G.E. Plastics K.K. Technology Center, 2-2 Oninugaoka, Maoka-shi, Tochigi Prefecture (JP). **KAMEI, Ryota** [JP/JP]; Nihon G.E. Plastics K.K. Technology Center, 2-2 Oninugaoka, Maoka-shi, Tochigi Prefecture (JP).
- (81) Designated States (national): AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
8 November 2001
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A METHOD FOR OBTAINING A THERMOPLASTIC RESIN INJECTION-MOLDED PRODUCT HAVING A HIGH-QUALITY APPEARANCE



(57) Abstract: To provide a molding method that makes it possible to obtain a thermoplastic resin injection-molded product having a high-quality appearance in which the molding cycle time of conventional injection-molding methods is not considerably lengthened. The problem is solved by providing a molding method in which, using a conventional known method for obtaining thermoplastic resin injection-molded products having a high-quality appearance and controlling the temperature gradient for heating/cooling and/or the flow rate of the heating/cooling media, the molding cycle time is shortened while maintaining a favorable appearance of the product.

WO 01/38062 A3



ACTION