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Maple Road, Troy, MI 48099-0485 (US).(72) Inventors: FERNANDEZ, Vernon; 495 Wimpole Drive
Rochester Hills, MI 48309 (US). SERES, Eric, J.; 16300
Windy Knoll, Holly, MI 48442 (US).(74) Agents: ARTZ, John, A. et al.; Brooks & Kushman, 22nd floor,
1000 Town Center, Southfield, MI 48075 (US).(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR,
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(54) Title: VALVE-GATE BUSHING FOR GAS-ASSISTED INJECTION MOLDING ✓

(57) Abstract

Mold bushings (250) or nozzles for gas-assisted injection molding processes are disclosed. The devices include movable shut-off mechanisms (258) which selectively facilitate or prevent the passage of molten plastic material into mold cavities. One or more apertures (226), such as holes, openings, channels, slits, slots, and the like, are provided at or adjacent the end of the pin members or at the end of the devices. The apertures (226) are thin or small and have dimensions which will allow the passage of gas and at the same time prevent the plastic material from plugging or clogging them.

