

ABSTRACT OF THE DISCLOSURE

Title: GATE CUT APPARATUS AND METHOD FOR A DISC MOLDING APPARATUS

Abstract: A movable mold is disposed so as to face the stationary mold and to be advancable and retractable. The movable mold forms a cavity in cooperation with the stationary mold when mold clamping is performed. A sprue is disposed to face the cavity and has a concave portion formed at a front end thereof. A cut punch is reciprocally disposed to face the cavity at a position corresponding to the concave portion. The cut punch enters the concave portion when advanced. A drive section is provided to advance and retract the cut punch when driven. A controller drives the drive section such that during the mold clamping, the cut punch is advanced at a predetermined extension force in order to perform gate cutting and such that the extension force is made no greater than a preset value before the mold is opened.

Figure for Publication: FIG. 1