



(12) **United States Patent**
Tanemura et al.

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(54) **INJECTION MOLDING MACHINE WITH PURGE SHIELD**

(56) **References Cited**

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(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

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A purge shield provided on an injection molding machine includes a front plate attached to a fixed platen, a top plate extending horizontally from an upper edge of the front plate, and left and right side plates extending vertically downward from left and right side edges, respectively, of the top plate. The top plate includes a fixed plate section and a movable plate section pivotally connected by first hinges to the fixed plate section. The left side plate is pivotally connected by second hinges to the movable plate section and constitutes a lifting plate. A lower end of the lifting plate is connected by a pin to a vertical guide groove formed in the front plate.

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CPC **B29C 45/1755** (2013.01)

(58) **Field of Classification Search**
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See application file for complete search history.

7 Claims, 5 Drawing Sheets

