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Method for controlling gas venting arrangement in injection molding apparatus, and device for controlling the same.

A method for controlling a gas venting arrangement in an injection molding apparatus, and a device for controlling the gas venting arrangement for avoiding production of inferior molded product by means of a monitoring of a flow mode of a molten metal passing through metal molds. The gas venting arrangement includes a gas venting valve (43) disposed to selectively close a gas vent passage (29) communicating with a mold cavity (9). A first molten metal detection means (69) is disposed at the gas vent passage and a second detection means (101) is disposed thereat at a position downstream of the first sensor with respect to a flowing direction of the molten metal. Detection signals from these detection means are transmitted to a control means (102) for computing an actual molten metal flowing period. This flowing period is compared with a preset period for determination of production of the inferior product.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	DE-A-3 912 006 (RYOBI LTD.) * page 18, line 59 - page 19, line 30; claims; figures *	1,5	B22D17/32 B22D17/14
A	US-A-4 743 190 (GEBRUDER BUHLER) * claims; figure 1 *	1,5	
A	PATENT ABSTRACTS OF JAPAN vol. 11, no. 218 (M-607)(2665) 15 July 1987 & JP-A-62 34 659 (HITACHI METALS LTD) 14 February 1987 * abstract *		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B22D B22C B29C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 OCTOBER 1992	Examiner HODIAMONT S.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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