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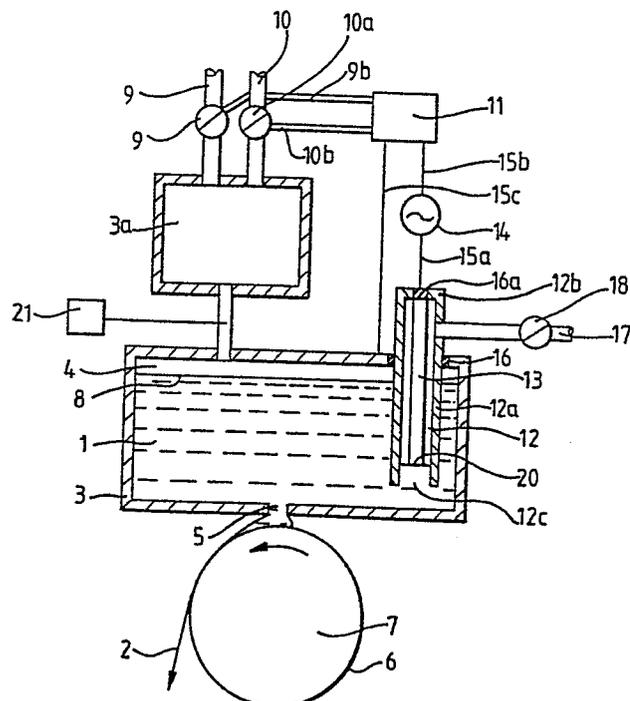
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Method and device for compensating for loss of metallostatic pressure during casting of molten metal onto a moving chilled surface.

A method and a device for compensating for loss of metallostatic pressure during the casting of molten metal 1 under gas pressure from a slit 5 in a container 3 onto a moving chilled surface 6 in which some of the molten metal 1 is allowed to penetrate into a chamber 12 maintained at a gas pressure different from the gas pressure in the container 3 and the extent to which the metal 1 penetrates into the chamber 12 is used to control an increasing or a decreasing of the gas pressure in the container 3 to compensate for the loss of metallostatic pressure. Preferably the extent of penetration is sensed by an electrically conductive probe 13 which is part of a circuit closable by the molten metal 1 coming into contact with the probe 13.





European Patent
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EUROPEAN SEARCH REPORT

0189313

Application Number

EP 86 30 0408

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.4)
X	US-A-4 449 568 (NARASIMHAM) * Column 2, lines 36-55; column 5, lines 16-32 *	1-2,5-6,10	B 22 D 11/06 B 22 D 11/18
Y	---	4,7	
Y	PATENT ABSTRACTS OF JAPAN, vol. 6, no. 4 (M-106)[882], 12th January 1982; & JP-A-56 128 666 (NIPPON KOUKAN TSUGITE K.K.) 08-10-1981 * Abstract *	1,5,6,10	
Y	PATENT ABSTRACTS OF JAPAN, vol. 7, no. 283 (M-263)[1428], 16th December 1983; & JP-A-58 159 957 (HITACHI SEISAKUSHO K.K.) 22-09-83 * Abstract *	1,5,6,10	
Y	US-A-3 538 884 (R.P.CARREKER) * Column 3, line 71 - column 4, line 18 *	4,7	
A	US-A-4 220 319 (S.ROHMANN) * Column 3, lines 13-23 *	1,4,7	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A,D	US-A-3 522 836 (D.KING) * Column 3, lines 30-45 *	1,4,7	B 22 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24-05-1988	Examiner DOUGLAS K.P.R.
<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 L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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