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## (54) Overflow pit with adjustable channel

(57) The present invention relates to an overflow pit with adjustable channel.

The pit is constituted of an external structure (2) comprising an inlet opening (3) envisaged to house one end of an inlet conduit (30), a first outlet hole (4) envisaged to house one end of an overflow conduit (40) and a second hole (5) envisaged to house one end of an outlet conduit (50) in which the opening (3) and the first hole (4) feature runoff surfaces at the same height, while the second hole (5) is housed below the first hole (4), a chute (6) is located between the opening (3) and the second hole (5) and envisaged to mutually connect, in a uniform fashion, the opening (3) and the second hole (5). The structure comprises furthermore: a connection between the opening (3) and the first hole (4) obtained by means of a channel (7), which is essentially composed of a blade (70) and a couple of lateral walls (71) laid out in a mutually parallel fashion; a couple of containment bulkheads (9), laid out in a mutually parallel fashion and externally to the lateral walls (71); a shaped collar (10) located in proximity to the opening (3), immediately after the inlet conduit (30); and adjustment elements which adjust the channel (7) to reduce the rate of the flow which runs from the inlet conduit to the outlet conduit through the chute (6) and allow the blade (70) to be raised or lowered, varying its position according to the rate of the flow that has to reach the outlet conduit and the rate of the flow that has to reach the overflow conduit.

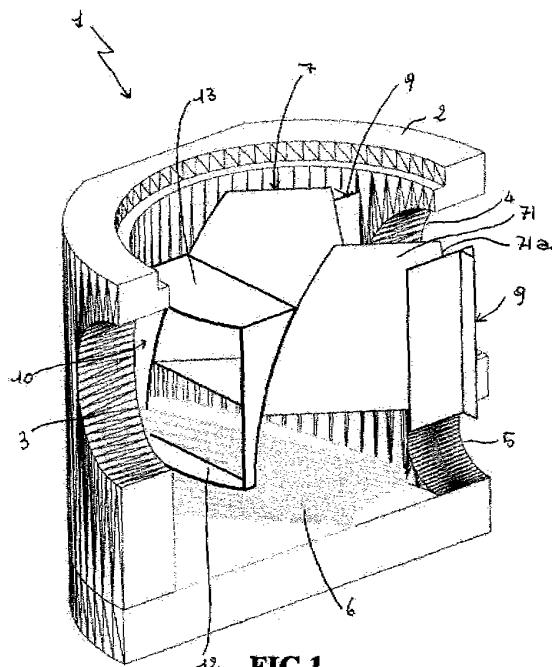


FIG.1



## EUROPEAN SEARCH REPORT

Application Number  
EP 08 42 5284

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
A	WO 97/06872 A (HART JOHN MICHAEL [GB]) 27 February 1997 (1997-02-27) * figures *	1	INV. E03F5/02						
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<p>The present search report has been drawn up for all claims</p> <p>1</p>									
<table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>Munich</td> <td>9 October 2008</td> <td>Isailovski, Marko</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	Munich	9 October 2008	Isailovski, Marko
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<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 ..... &amp; : member of the same patent family, corresponding document</p>							

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ON EUROPEAN PATENT APPLICATION NO.**

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