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(54) **Piston for cold-chamber die-casting systems**

(57) Invention relates to die-casting piston comprising a piston body and a piston head specially designed for improved cooling effectiveness. The piston is pro-

posed as technically-enhanced cost-effective alternative to standard-type copper-alloy pistons generally utilized by casting industry.

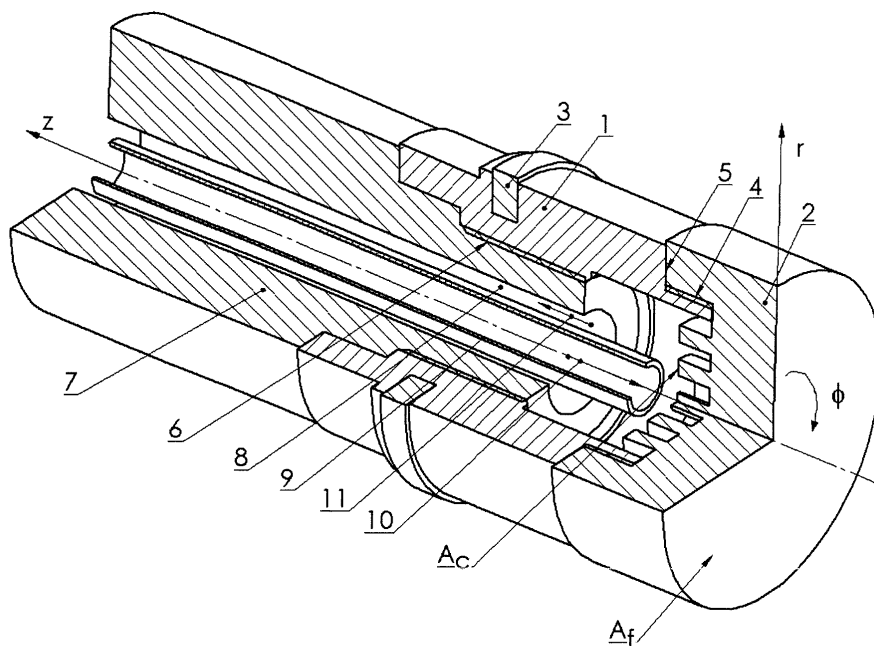


Fig.1. Schematic of the novel die-casting piston with improved cooling effectiveness and cost effectiveness.



EUROPEAN SEARCH REPORT

Application Number
EP 14 46 8001

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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 (IPC)
X	JP H09 103861 A (TOYOTA MOTOR CORP) 22 April 1997 (1997-04-22)	1-7	INV. B22D17/20
Y	* abstract; figures 1-5 *	8-10	
X	JP H10 58108 A (TOYOTA MOTOR CORP; GIFU SEIKI KOGYO KK) 3 March 1998 (1998-03-03)	1-7	
Y	* abstract; figures 1,2,6 *	8-10	
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Y	* figures 1-4 *	8-10	
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 18 September 2017	Examiner Baumgartner, Robin
CATEGORY OF CITED DOCUMENTS 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 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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 14 46 8001

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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