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**12.09.90 Bulletin 90/37**(71) Applicant: **AE TURBINE COMPONENTS  
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Bowdon House PO Box 20 Ashburton Road  
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Manchester M17 1RA(GB)**(54) **Foundry core material.**

(57) Silica cores are described particularly though not exclusively for use in the manufacture of precision cast components. The cores are dimensionally stable and resistant to distortion at temperatures exceeding 1500°C. The silica cores contain ions selected from the group comprising titanium, zirconium, phosphorus, vanadium, chromium, molybdenum and tungsten. A preferred material is titania. The cores may contain between 0.05 and 10 wt% of titania to promote devitrification.

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## EUROPEAN SEARCH REPORT

Application Number

EP 88 20 2172

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-3 661 829 (AIGNESBERGER et al.) * Claim 1; example 4 *	1-4	B 22 C 1/10
A	---	7	
X	US-A-3 002 948 (LAWTHER) * Claim 1 *	1-6	
A	---	7	
Y	GB-A- 829 447 (CORNING GLASS WORKS) * Claims 1,12; page 2, lines 45-56; page 3, lines 19-27 *	1-15	
Y	EP-A-0 179 649 (FAIREY INDUSTRIAL CERAMICS) * Claim 7; page 7, lines 1-17 *	1-15	
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			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 22 C C 04 B C 03 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-06-1990	Examiner ASHLEY G.W.
<b>CATEGORY OF CITED DOCUMENTS</b>			
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	