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(54) **Tantalum-containing nickel base superalloy**

(57) A tantalum-containing nickel base superalloy strengthened by γ precipitates has greatly improved

temperature capability, with a fatigue cracking resistance substantially independent of the fatigue frequency and waveform up to about 1500°F.

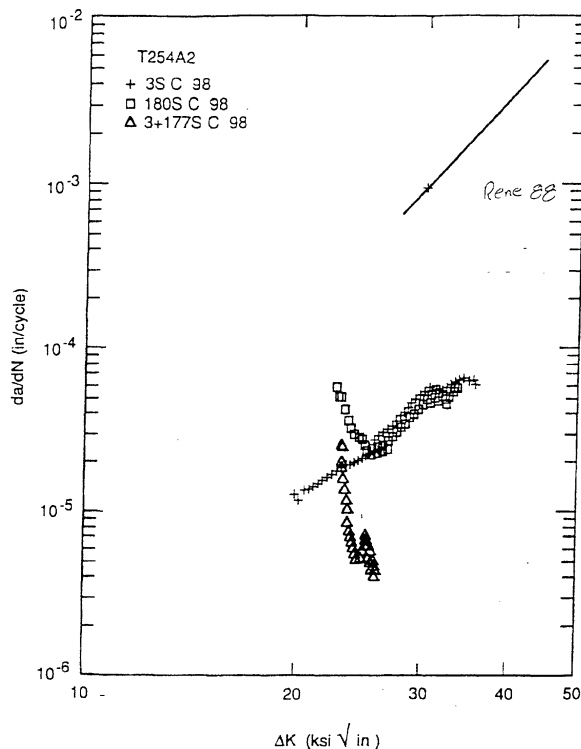


FIG. 1b

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Application Number
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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.6)
X	US 5 662 749 A (CHANG KEH-MINN) 2 September 1997 (1997-09-02) *Tables and claim* -----	1-3	C22C19/05 C22F1/10 C22C1/04
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C22C C22F
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 20 July 1999	Examiner Badcock, G
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
ON EUROPEAN PATENT APPLICATION NO.**

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