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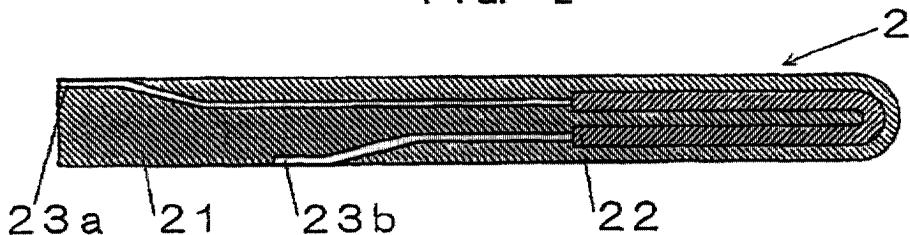
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(54) MoSi₂-based heating element and method for manufacturing the same

(57) There is provided an MoSi₂-based heating element having improved durability, and a method for inhibiting the formation of defects during the processes for manufacturing such an MoSi₂-based heating element. The MoSi₂-based heating element is a heating element containing 70% or more MoSi₂ in which the dif-

ference between the average density of the entire heating element and the density of the central portion corresponding to one fifth of the diameter of the heating element (true density ratio) is 5% or less, preferably 3% or less. In the process of temporary sintering, sintering is performed in a temperature pattern of an adequately adjusted temperature raising rate.

FIG. 2





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EUROPEAN SEARCH REPORT

Application Number

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.7)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H05B
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
THE HAGUE	18 February 2002		Castanheira Nunes, F
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
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A : technological background	D : document cited in the application		
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 30 0768

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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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