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(54) **Resistor on a ceramic circuit board**

(57) A ceramic circuit board having an external resistor prepared by co-firing a low-bubbling resistor and a glass overcoat in which Ag is used in an amount of 0 to less than 1% by weight with a glass having a deformation temperature not higher than that of the glass of the overcoat in the low-bubbling resistor and a glass of CaO-Al₂O₃-SiO₂-B₂O₃ system is used in the overcoat. Also, in the low-bubbling resistor, Ag may be contained in an amount of at least 1% by weight in combination with a glass having such a deformation temperature that this deformation temperature minus 10 °C is not higher than that of the glass of the overcoat. Addition of Ag to the resistor can render the deformation temperature of the glass of the resistance paste substantially equal to or less than that of the glass of the overcoat, thereby enabling further reduction of the amount of bubbles remaining in the resistor after firing. The low-bubbling resistor not only enables accurate adjustment of the resistivity by laser trimming but also enables stable maintenance of the resistance value after the trimming.

EP 0 704 864 A3



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EUROPEAN SEARCH REPORT

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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	DATABASE WPI Section Ch, Week 8152 Derwent Publications Ltd., London, GB; Class L03, AN 81-95815d & JP-A-56 147 405 (MATSUSHITA ELEC IND KK) , 16 November 1981 * abstract *	1	H01C17/02 H01C17/065 H01C17/06 H01C17/30
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	DE-A-23 45 102 (SECI) 21 March 1974 * claims 8,9 * -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 August 1996	Examiner Albrecht, C
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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