

Title (en)

Use of oxide ceramic materials or metal ceramic compounds for electrical applications likes heaters

Title (de)

Verwendung von keramischen Oxidmaterialien oder metallkeramische Verbindungen für elektrische Anwendungen wie Heizelement

Title (fr)

Utilisation de matériaux d'oxyde de céramiques ou de composés céramiques métalliques pour des applications électriques de type élément chauffant

Publication

**EP 2262346 A1 20101215 (EN)**

Application

**EP 09305525 A 20090610**

Priority

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Abstract (en)

The present invention relates to the use of oxide ceramic materials or metal ceramic compounds, which have superconducting properties or can be converted to a superconducting state in non-superconducting electrical applications, for example as a material for resistive heaters. The material is selected from alkaline earth cuprate, rare earth alkaline cuprate, iron pnictides and magnesium diboride. The shape body can be obtained by a melt casting process. The material could be used for a heating element an ohmic resistor or an electrode suitable in electrical arc discharged.

IPC 8 full level

**H05B 3/14** (2006.01); **H01C 1/034** (2006.01)

CPC (source: EP)

**H01C 1/034** (2013.01); **H05B 3/141** (2013.01)

Citation (applicant)

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