

Abstract

Described is a ceramic composition comprising a compound having a perovskite structure represented by the formula

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where A is at least one element selected from the group consisting of 2A, 3A and 3B subgroup elements of the international periodic table of IUPAC, where M is at least one element selected from the group consisting of 4A, 5A, 6A, 7A and 8 subgroup elements of the international periodic table of IUPAC, and wherein said perovskite compound is made up of p-type and n-type components and the elements are present essentially within solubility limits in the perovskite structure. This ceramic composition is especially useful as a main component for a thermistor element (1) exhibiting stable properties at elevated temperatures up to 1100°C.

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*figure 1*

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