

Title (en)
Oxide ceramic thermistor containing indium

Title (de)
Indiumhaltiger, oxidkeramischer Thermistor

Title (fr)
Thermistance céramique d'oxydes contenant de l'indium

Publication
EP 0810612 A1 19971203 (DE)

Application
EP 97201533 A 19970522

Priority
DE 19622112 A 19960601

Abstract (en)
A novel thermistor includes a semiconductor ceramic comprising an oxide spinel containing Mn, Ni and In. Preferably, the oxide spinel has the composition $\text{Mn}_{2.33-x}\text{In}_x\text{Ni}_{0.67}\text{O}_4$, where $x = 0.05$ to 0.75 , preferably 0.5 to 0.66 , especially 0.58 plus or minus 0.02 .

Abstract (de)
Ein Thermistor mit einer Halbleiterkeramik mit einem Oxid-Spinell, der die Elemente Mangan, Nickel und Indium enthält, ist thermisch stabil und zeichnet sich weiterhin durch hohe Werte für den spezifischen Widerstand und den B-Wert aus. <IMAGE>

IPC 1-7
H01C 7/04

IPC 8 full level
C04B 35/00 (2006.01); **C01G 53/00** (2006.01); **H01C 7/04** (2006.01)

CPC (source: EP US)
H01C 7/043 (2013.01 - EP US)

Citation (search report)

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