

Title (en)

Production process of a non-linear voltage-dependent resistor.

Title (de)

Verfahren zur Herstellung eines nichtlinearen spannungsabhängigen Widerstandes.

Title (fr)

Procédé de production d'une résistance non linéaire dépendant de la tension.

Publication

EP 0357113 B1 19940112 (DE)

Application

EP 89201988 A 19890728

Priority

DE 3826356 A 19880803

Abstract (en)

[origin: EP0357113A2] A method for manufacturing a voltage-dependent, non-linear resistor having a ceramic sinter body on the basis of the oxides of titanium, bismuth and zinc oxide containing at least one transition metal as resistor material, the sinter body being manufactured by shaping the powdery resistor material and subsequently sintering in air at a temperature in the range of 1,200 to 1,350 DEG C and subsequently being fitted with electrodes, grains being added to the powdery resistor material from resistor material of a medium grain size in the range of 4 to 12 mu m prefired at a temperature in the range of 1,200 to 1,400 DEG C and in a quantity of 1 to 50% by weight. <IMAGE>

IPC 1-7

H01C 7/10; **H01C 17/30**

IPC 8 full level

H01C 7/10 (2006.01); **H01C 7/112** (2006.01); **H01C 17/30** (2006.01)

CPC (source: EP KR)

H01C 7/10 (2013.01 - KR); **H01C 7/112** (2013.01 - EP); **H01C 17/30** (2013.01 - EP)

Cited by

EP0594120A3; EP0762438A3; US5807510A; US5254816A; EP0507517A3

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0357113 A2 19900307; **EP 0357113 A3 19900321**; **EP 0357113 B1 19940112**; DE 3826356 A1 19900208; DE 58906686 D1 19940224; JP H0279402 A 19900320; KR 0126468 B1 19971222; KR 900003919 A 19900327

DOCDB simple family (application)

EP 89201988 A 19890728; DE 3826356 A 19880803; DE 58906686 T 19890728; JP 20041389 A 19890803; KR 890011077 A 19890803