

Title (en)

Low impedance electrical resistor and method of making it

Title (de)

Niederohmiger elektrischer Widerstand und Verfahren zur Herstellung solcher Widerstände

Title (fr)

Résistance électrique de basse impédance et procédé de fabrication

Publication

EP 1283528 A3 20030716 (DE)

Application

EP 02015940 A 20020717

Priority

- DE 10139323 A 20010810
- DE 10153273 A 20011029

Abstract (en)

[origin: EP1283528A2] Low impedance electrical resistor comprises a flat rectangular metal element (1') made of a resistor alloy, and connecting contacts (4', 4'') galvanized on opposite ends of the main surface of the metal element. The end faces of the metal element and the connecting contacts on these ends and the side surface (8) of the metal element perpendicular to the end faces and the connecting contacts are aligned with each other perpendicular to the plane of the main surface of the metal element. An Independent claim is also included for a process for producing the above low impedance electrical resistor using photolithographic production of a covering mask formed by parallel strips, galvanization of a layer only on the surface supporting the covering mask, and separation of the galvanized layer. Preferred Features: The metal element is a foil fixed on a substrate with its side facing away from the connecting contacts.

IPC 1-7

H01C 17/00; **H01C 1/142**

IPC 8 full level

H01C 1/142 (2006.01); **H01C 7/00** (2006.01); **H01C 7/06** (2006.01); **H01C 17/00** (2006.01); **H01C 17/28** (2006.01)

CPC (source: EP)

H01C 1/142 (2013.01); **H01C 7/003** (2013.01); **H01C 7/06** (2013.01); **H01C 17/003** (2013.01); **H01C 17/281** (2013.01)

Citation (search report)

- [X] US 3296574 A 19670103 - LUIGI TASSARA
- [A] US 4532186 A 19850730 - SHIBAGAKI KAZUYOSHI [JP], et al
- [A] DE 3201434 A1 19830908 - SIEMENS AG [DE]

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