

Title (en)

Electrical heating resistance for electric furnace and manufacturing method for such a resistance

Title (de)

Elektrischer Heizwiderstand für Electroofen und Herstellungsverfahren

Title (fr)

Résistance électrique chauffante pour four électrique et procédé de fabrication d'une telle résistance

Publication

**EP 0971561 A1 20000112 (FR)**

Application

**EP 99401460 A 19990614**

Priority

FR 9808634 A 19980706

Abstract (en)

A resistance heater has a ceramic resistance heating portion (12) comprising a sintered mixture of silicon carbide particles, electrically conductive phase forming dopant particles and mineral particles. Preferred Features: The dopant particles consist of nickel oxide and the mineral particles consist of alumina and yttrium oxide.

Abstract (fr)

Cette résistance électrique chauffante (10) pour four électrique comprend une partie (12) résistive chauffante en matière céramique. La matière céramique comporte un mélange fritté de particules de carbure de silicium, de particules dopantes adaptées pour l'obtention, après frittage, d'une phase électriquement conductrice et de particules minérales. <IMAGE>

IPC 1-7

**H05B 3/14**; **H05B 3/64**

IPC 8 full level

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CPC (source: EP US)

**H05B 3/141** (2013.01 - EP US); **H05B 3/148** (2013.01 - EP US); **H05B 3/64** (2013.01 - EP US)

Citation (search report)

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