

Title (en)
PIN HEATER

Title (de)
STIFTHEIZER

Title (fr)
FILAMENT EN FORME DE CRAYON

Publication
EP 1463910 A1 20041006 (DE)

Application
EP 01271801 A 20011030

Priority
• DE 0104097 W 20011030
• DE 10053327 A 20001027
• US 16917002 A 20021017

Abstract (en)
[origin: DE10053327A1] A heater has a uniform cross-section over its whole length and its insulating layer (3) is enlarged in the region of its tip (4) whilst its conductive layer (2) is reduced. Preferred Features: The cross-section is symmetrically formed. The insulating layer is encased by the conductive layer. The conductive layer and the insulating layer form a ceramic composite structure.

IPC 1-7
F23Q 7/00

IPC 8 full level
H05B 3/16 (2006.01); **F23Q 7/00** (2006.01); **H05B 3/46** (2006.01)

CPC (source: EP US)
F23Q 7/001 (2013.01 - EP US)

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US 2003106885 A1 20030612; US 6710305 B2 20040323; CZ 20022187 A3 20030813; CZ 302319 B6 20110309; DE 10053327 A1 20020516; DE 10053327 C2 20030410; DE 50112014 D1 20070322; EP 1463910 A1 20041006; EP 1463910 B1 20070207; ES 2280305 T3 20070916; HU P0301998 A2 20030929; HU P0301998 A3 20071029; JP 2004537155 A 20041209; JP 3977806 B2 20070919; WO 03040623 A1 20030515

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