

Title (en)  
Electrically conductive heating element.

Title (de)  
Elektrisch leitendes Heizelement.

Title (fr)  
Élément de chauffage à conduction électrique.

Publication  
**EP 0469628 A1 19920205 (EN)**

Application  
**EP 91113044 A 19910802**

Priority  
JP 20511190 A 19900803

Abstract (en)  
Electrical conductivity excellent for an electrically-conductive heating element can be provided by uniformly dispersing, in a matrix made of a ceramic or the like, foliated fine graphite particles having a particle size of 1-100  $\mu\text{m}$ , a thickness not greater than 1  $\mu\text{m}$  and an aspect ratio of 10-5,000. The heating element is suitable for use as a ceramic heater. <IMAGE>

IPC 1-7  
**H05B 3/12**

IPC 8 full level  
**H05B 3/14** (2006.01)

CPC (source: EP)  
**H05B 3/141** (2013.01)

Citation (search report)  
[A] DE 2000987 A1 19710715 - SIEMENS ELEKTROGERAETE GMBH

Cited by  
EP1818639A4

Designated contracting state (EPC)  
CH DE FR GB LI NL

DOCDB simple family (publication)  
**EP 0469628 A1 19920205**; CA 2048418 A1 19920204; TW 223729 B 19940511

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**EP 91113044 A 19910802**; CA 2048418 A 19910802; TW 80105796 A 19910725