

Title (en)

Ignition devices and methods for igniting a solid fuel

Title (de)

Zündeinrichtungen und Verfahren zum Zünden festen Brennstoffs

Title (fr)

Dispositifs d'allumage et procédés pour allumer des combustibles solides

Publication

EP 1972853 A1 20080924 (DE)

Application

EP 07006041 A 20070323

Priority

EP 07006041 A 20070323

Abstract (en)

The device (1) has a protective tube (2) and at least one electrical heating element (3) in the tube. The at least one heating element has a ceramic supporting tube (3a) and at least one electrical heating conductor (4) printed onto a ceramic film (3b) that is wound around the supporting tube and sintered to it so that the heating conductor(s) is arranged between the film and supporting tube. The supporting tube is arranged in the protective tube so that an air flow is conducted through the supporting tube. An independent claim is also included for a method of igniting a solid fuel.

Abstract (de)

Die Erfindung betrifft Zündeinrichtungen, umfassend ein Schutzrohr und mindestens ein elektrisches Heizelement in dem Schutzrohr, sowie ein Verfahren zum schnellen Zünden von festem Brennstoff, insbesondere zum Zünden von nachwachsenden Brennstoffen, sowie eine derartige Verwendung der Zündeinrichtungen.

IPC 8 full level

F23Q 7/04 (2006.01)

CPC (source: EP)

F23Q 7/04 (2013.01)

Citation (search report)

- [Y] GB 862063 A 19610301 - GEN ELECTRIC CO LTD
- [Y] DE 3843863 A1 19900628 - BOSCH GMBH ROBERT [DE]
- [DYA] JP 2005172383 A 20050630 - OBATA YOSHIMORI
- [Y] GB 761583 A 19561114 - GEN ELECTRIC CO LTD, et al
- [A] EP 0635993 A2 19950125 - TDK CORP [JP]

Cited by

EP2354704A1; DE102018109643A1; EP3835639A1; WO2019206666A1; EP2182284A1; DE102012218187A1; CN102881529A; AT511814A4; AT511814B1; EP2657604A3; WO2017008937A1; EP2846091A1; DE102013014911A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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