

Title (en)  
CERAMIC HEATING ELEMENTS

Title (de)  
KERAMISCHE HEIZELEMENTE

Title (fr)  
ÉLÉMENTS CHAUFFANTS EN CÉRAMIQUE

Publication  
**EP 2232144 A1 20100929 (EN)**

Application  
**EP 08867380 A 20081229**

Priority  
• US 2008014094 W 20081229  
• US 938107 P 20071229

Abstract (en)  
[origin: WO2009085311A1] New ceramic heating elements are provided that have a recessed portion for receiving an electrical lead. Such ceramic heating elements can provide a reduced cross-sectional dimension across element regions that interface with electrical lead(s) as well as a more secure engagement of an electrical lead. Heating elements can be highly useful in a variety of application, including e.g. for fuel ignition for gas cooking appliances as well as vehicular glow plugs.

IPC 8 full level  
**F23Q 7/00** (2006.01)

CPC (source: EP KR US)  
**F23Q 7/001** (2013.01 - EP KR US); **F23Q 7/10** (2013.01 - KR); **F23Q 7/22** (2013.01 - KR); **H05B 3/141** (2013.01 - EP KR US); **H05B 3/48** (2013.01 - KR)

Citation (search report)  
See references of WO 2009085311A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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AL BA MK RS

DOCDB simple family (publication)  
**WO 2009085311 A1 20090709**; BR PI0821671 A2 20150616; CA 2711015 A1 20090709; CN 101939592 A 20110105; EP 2232144 A1 20100929; JP 2011508950 A 20110317; KR 20100093598 A 20100825; MX 2010007139 A 20100811; US 2009173729 A1 20090709

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**US 2008014094 W 20081229**; BR PI0821671 A 20081229; CA 2711015 A 20081229; CN 200880126373 A 20081229; EP 08867380 A 20081229; JP 2010540675 A 20081229; KR 20107015505 A 20081229; MX 2010007139 A 20081229; US 31792508 A 20081229