

Title (en)
SHEATHED ELEMENT HEATER PLUG

Title (de)
GLÜHSTIFTKERZE

Title (fr)
BOUGIE CRAYON DE PRECHAUFFAGE

Publication
EP 1240462 B1 20041201 (DE)

Application
EP 00987092 A 20001108

Priority
• DE 0003898 W 20001108
• DE 19959766 A 19991211

Abstract (en)
[origin: WO0142715A2] The invention relates to a sheathed element heater plug, especially for starting a self-igniting combustion engine. The inventive sheathed element heater plug comprises a heater plug that engages in a combustion chamber which is provided with a combustible mixture consisting of fuel and air. Said heater plug comprises electroconductive ceramics and can be heated to an ignition temperature by connecting to a voltage source. According to the invention, the sheathed element heater plug (10) comprises an integrated temperature sensor (30).

IPC 1-7
F23Q 7/00

IPC 8 full level
F23Q 7/00 (2006.01)

CPC (source: EP KR US)
F23Q 7/00 (2013.01 - KR); **F23Q 7/001** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0142715 A2 20010614; WO 0142715 A3 20011025; AT E284008 T1 20041215; CZ 20021965 A3 20030212; DE 19959766 A1 20010613; DE 50008870 D1 20050105; EP 1240462 A2 20020918; EP 1240462 B1 20041201; ES 2232517 T3 20050601; HU 224475 B1 20050928; HU P0203467 A2 20030228; JP 2003527553 A 20030916; KR 100671185 B1 20070119; KR 20020062964 A 20020731; PL 195122 B1 20070831; PL 355568 A1 20040504; SK 8242002 A3 20030304; TW 575723 B 20040211; US 6812432 B1 20041102

DOCDB simple family (application)
DE 0003898 W 20001108; AT 00987092 T 20001108; CZ 20021965 A 20001108; DE 19959766 A 19991211; DE 50008870 T 20001108; EP 00987092 A 20001108; ES 00987092 T 20001108; HU P0203467 A 20001108; JP 2001543961 A 20001108; KR 20027007437 A 20020611; PL 35556800 A 20001108; SK 8242002 A 20001108; TW 89124036 A 20001114; US 14948302 A 20020927