

Title (en)

System for the heating and measuring of ion currents and glowplugs for this system

Title (de)

System zum Glühen und Ionenstrom-Messen und Ionenstrom-Glühkerzen für dieses System

Title (fr)

Système pour le réchauffage et la mesure de courant d'ionisation et bougies pour ce système

Publication

EP 0987418 A3 20020703 (DE)

Application

EP 99115591 A 19990806

Priority

DE 19842148 A 19980915

Abstract (en)

[origin: EP0987418A2] The ion stream measurement heater plug is designed with a semiconductor switch (8) integrated or modular arranged in the connection side region of the plug. Which is controlled by a control signal, and connects the second connection of the heating element (3) to the engine block (earth) across the plug housing (4).

IPC 1-7

F02D 19/02; **F23Q 7/00**

IPC 8 full level

F02P 13/00 (2006.01); **F02P 17/12** (2006.01); **F02P 19/02** (2006.01); **F23Q 7/00** (2006.01); **G01M 15/00** (2006.01); **G01M 15/04** (2006.01)

CPC (source: EP US)

F02D 35/021 (2013.01 - EP US); **F02P 19/028** (2013.01 - EP US); **F23Q 7/001** (2013.01 - EP US); **F02P 19/023** (2013.01 - EP US)

Citation (search report)

- [X] EP 0834652 A1 19980408 - DENSO CORP [JP]
- [PA] DE 19903224 A1 19990805 - NIPPON SOKEN [JP]
- [A] DE 3901545 A1 19900802 - BOSCH GMBH ROBERT [DE]

Cited by

CN109374307A; EP1001220A3; US7122764B1; WO2009132910A1; WO0120229A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 0987418 A2 20000322; **EP 0987418 A3 20020703**; **EP 0987418 B1 20060329**; AT E321942 T1 20060415; DE 19842148 A1 20000406; DE 19842148 C2 20020207; DE 59913275 D1 20060518; ES 2260872 T3 20061101; JP 2000097809 A 20000407; JP 3896231 B2 20070322; US 6555788 B1 20030429

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