



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**21.12.2011 Bulletin 2011/51**

(51) Int Cl.:  
**H01T 13/46<sup>(2006.01)</sup> H01T 13/14<sup>(2006.01)</sup>**

(43) Date of publication A2:  
**04.02.2009 Bulletin 2009/06**

(21) Application number: **07021928.2**

(22) Date of filing: **12.11.2007**

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR**

Designated Extension States:  
**AL BA HR MK RS**

(30) Priority: **01.08.2007 JP 2007200420**  
**06.08.2007 JP 2007203842**

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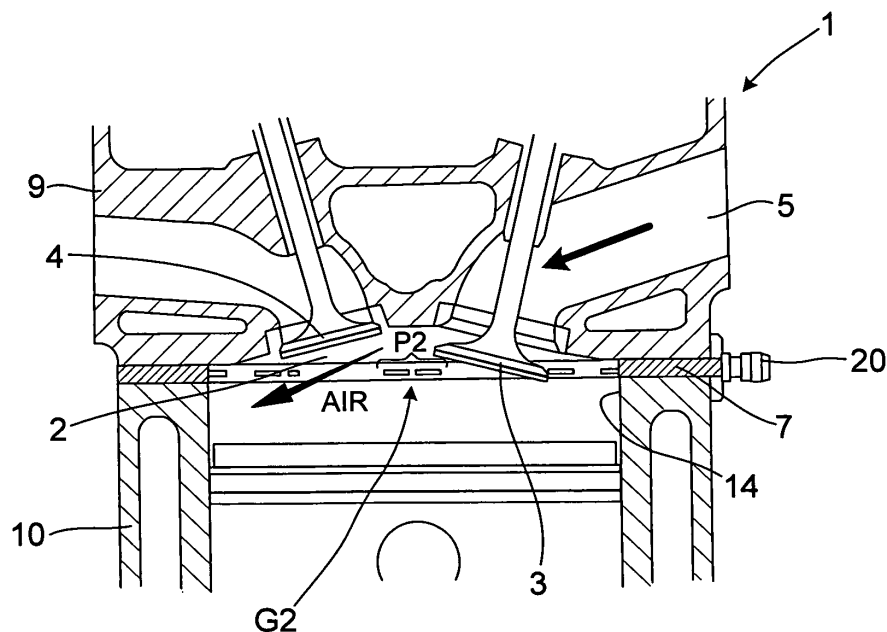
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(54) **Multipoint ignition device**

(57) Respective heat values of a plurality of electrode pairs P1 to P8 are set individually such that the temperatures of all of the plurality of electrode pairs (P1 to P8) are kept within an appropriate temperature range in

which a temperature no lower than a self-cleaning temperature is set as a lower limit temperature and a lower temperature than a pre-ignition temperature is set as an upper limit temperature.



**FIG. 1**



## EUROPEAN SEARCH REPORT

Application Number  
EP 07 02 1928

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                             |                                  |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Citation of document with indication, where appropriate, of relevant passages                                               | Relevant to claim                | CLASSIFICATION OF THE APPLICATION (IPC) |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US 4 535 735 A (YOSHINAGA)<br>20 August 1985 (1985-08-20)<br>* column 2, line 51 - column 3, line 5;<br>figure 2 *<br>----- | 1                                | INV.<br>H01T13/46<br>H01T13/14          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |                                  | TECHNICAL FIELDS<br>SEARCHED (IPC)      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |                                  | H01T<br>F02P                            |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                             |                                  |                                         |
| Place of search                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             | Date of completion of the search | Examiner                                |
| The Hague                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                             | 16 November 2011                 | Bijn, Eric                              |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document<br>T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |                                                                                                                             |                                  |                                         |

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EPO FORM 1503 03/82 (P04C01)

16-11-2011

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82