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(71) Applicant: **DENSO CORPORATION**
Aichi-pref. 488-8661 (JP)

(72) Inventor: **Nakao, Hiroshi**
Kariya-city, Aichi-pref., 448-8661 (JP)

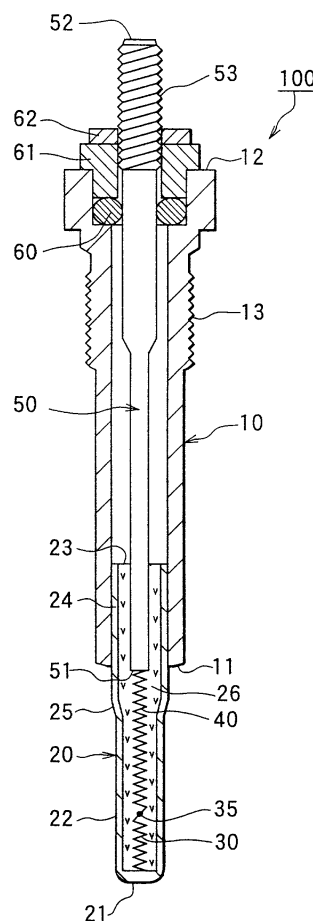
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(74) Representative: **TBK-Patent**
Bavariaring 4-6
80336 München (DE)

(54) **Glow-plug**

(57) In a glow plug, a metal heater case (20) has at one end thereof a smaller diameter portion (22) whose diameter is not larger than 4 mm and whose length is not shorter than 15 mm and has at the other end thereof a larger diameter portion (24). A first coil (30) is embedded via insulation powder (26) in the smaller diameter portion of the heater case and one end thereof is electrically conducted with the heater case. A second coil (40) is embedded via insulation powder (26) in and insulated with the heater case and one end thereof is connected to the other end of the first coil. A housing (10) holds the heater case by enveloping a part of the larger diameter portion of the heater case. A portion of the heater case corresponding to the first coil shows highest temperature in the heater case in 60 seconds after rated voltage is applied to the first and second coils.

FIG. 1



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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 6 July 2005	Examiner Vanheusden, J
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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