

Title (en)  
PLUG HEATER FOR A PENCIL-TYPE GLOW PLUG AND CORRESPONDING GLOW PLUG

Title (de)  
STIFTHEIZER IN EINER GLÜHSTIFTKERZE UND GLÜHSTIFTKERZE

Title (fr)  
ELEMENT DE CHAUFFAGE EN FORME DE CRAYON UTILISE DANS UNE BOUGIE-CRAYON DE PRECHAUFFAGE ET BOUGIE-CRAYON DE PRECHAUFFAGE

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Application  
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Abstract (en)  
[origin: DE10155230C1] The invention relates to a plug heater (1) for use in a pencil-type glow plug (5) and a pencil-type glow plug (5) for internal combustion engines, which have improved electric and mechanical properties. The plug heater (1) comprises at least one substantially inner insulation layer (10) and one substantially outer first conductive layer (15, 16), both layers (10; 15, 16) comprising a ceramic composite structure. The plug heater (1) comprises a second conductive layer (20) that also comprises a ceramic composite structure. The second conductive layer (20), in the area of a tip (40) of the plug heater (1) on the combustion chamber side, is linked with the first conductive layer (15, 16). The second conductive layer (20) extends inside the insulating layer (10).

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