

Title (en)

The use of a steel alloy for fuel injection components

Title (de)

Verwendung einer Stahllegierung für Kraftstoffverteiler

Title (fr)

L'emploi d'un alliage d'acier dans un système d'injection de combustible

Publication

EP 1405930 B1 20041208 (DE)

Application

EP 03020836 A 20030913

Priority

DE 10246165 A 20021002

Abstract (en)

[origin: EP1405930A1] Use of a steel alloy as a material for fuel distributors is new. The alloy contains (in wt.%) 0.09-0.13 C, 0.15-0.30 Si, 1.10-1.60 Mn, less than 0.015 P, less than 0.011 S, 1.00-1.60 Cr, 0.30-0.60 Mo, 0.02-0.05 Al, 0.12-0.25 V and a balance of Fe. The steel has a tensile strength Rm of more than 850 N/mm², an apparent yielding point Rp0.2 of more than 700 N/mm² and an elongation A5 of more than 15 %.

IPC 1-7

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IPC 8 full level

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