

Title (en)

Material for a valve needle head and needle head from such a material

Title (de)

Werkstoff für einen Düsenkopf und Düsenkopf aus einem solchen Werkstoff

Title (fr)

Matériau pour tête d'aiguille d'injecteur et tête d'aiguille composée de ce matériau

Publication

EP 1353061 A3 20060531 (DE)

Application

EP 03405171 A 20030312

Priority

- EP 03405171 A 20030312
- EP 02405289 A 20020411

Abstract (en)

[origin: EP1353061A2] Material for the nozzle head (2) of a fuel injection nozzle (1) of an internal combustion engine, especially a large diesel engine, comprises a chromium-based alloy containing (in wt.%) 0-50 nickel, 0-5 carbon, 0-5 silicon and at least 50 chromium. An Independent claim is also included for a nozzle head for a fuel injection nozzle of an internal combustion engine, especially a large diesel engine comprising a longitudinal hole (20) and a nozzle hole (21) for introducing fuel into a combustion chamber. The transition between the longitudinal hole and the nozzle hole is rounded. Preferred Features: The alloy contains lanthanum, cerium, yttrium, hafnium, scandium and rare earths as reactive elements. The alloy preferably contains (in wt.%) at least 45 nickel, 50-55 chromium, 0-5 carbon, 0-5 silicon and 0-5 reactive element.

IPC 8 full level

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CPC (source: EP KR)

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C-Set (source: EP)

B22F 2998/10 + B22F 9/08 + B22F 3/15

Citation (search report)

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