

Title (en)
VALVE WITH HARD-FACING.

Title (de)
VENTIL MIT AUFPANZERUNG.

Title (fr)
SOUPAPE RECHARGEE AVEC UNE MATIERE DURE.

Publication
EP 0568598 B1 19950614 (EN)

Application
EP 92904041 A 19920122

Priority
• DK 9200021 W 19920122
• DK 11091 A 19910123

Abstract (en)
[origin: WO9213179A1] A nickel-base alloy for use as valve seat material on an exhaust valve for an internal combustion engine comprises, stated in % by weight, 20 to 24 % Cr, 0 to 8 % W, 4 to 7 % Al, 0.2 to 0.55 % C, 0 to 2 % Hf, 0.1 to 1.5 % Nb, 0 to 8 % Mo, 0 to 1.2 % Si and 0 to 15 % Fe, wherein the W-content and the Mo-content add up to no more than 10 %. At a working temperature of 500 DEG C in a strongly corroding sulphur containing environment such as an alloy presents a good corrosion resistancy combined with a ductility corresponding to Alloy 50.

IPC 1-7
F01L 3/02

IPC 8 full level
B23K 10/02 (2006.01); **C22C 19/05** (2006.01); **F01L 3/02** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP KR)
C22C 19/055 (2013.01 - EP); **F01L 3/02** (2013.01 - EP KR); **F02B 3/06** (2013.01 - EP)

Citation (examination)
• NL 150611 C
• US 4727740 A 19880301 - YABUKI RITSUE [JP], et al

Designated contracting state (EPC)
CH DE GB LI NL

DOCDB simple family (publication)
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