

Title (en)

Improvements in and relating to hafnium-containing alloy steels.

Title (de)

Hafniumhaltige legierte Stähle.

Title (fr)

Aciers alliés contenant de l'hafnium.

Publication

EP 0370645 A1 19900530 (EN)

Application

EP 89311327 A 19891101

Priority

GB 8825536 A 19881101

Abstract (en)

A steel alloy whose composition contains by weight: 0.5% maximum carbon; up to 3% silicon; up to 2% manganese; 0.010% maximum sulphur; 0.1% max phosphorous; 10 to 25% chromium; 1 to 10% aluminium 0.01 to 1% hafnium; 0.01 to 0.10% zirconium; 0.01 to 0.20% cerium and/or lanthanum up to 5% nickel; up to 2% titanium; up to 1% molybdenum; up to 1% copper; up to 0.05% nitrogen; the balance being iron and incidental amounts of impurities.

IPC 1-7

C22C 38/18; C22C 38/28

IPC 8 full level

C22C 38/28 (2006.01)

CPC (source: EP)

C22C 38/28 (2013.01)

Citation (search report)

- [YD] EP 0035369 A1 19810909 - SHEFFIELD FORGEMASTERS [GB]
- [Y] GB 2070642 A 19810909 - FIRTH BROWN LTD
- [A] US 4018569 A 19770419 - CHANG DAVID R

Cited by

EP1295959A4; EP0429793A1; EP0573343A1; US5340415A; US11767573B2; JP2020059927A; JP6687177B1; US2022056547A1; WO2020054384A1

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DE FR GB IT SE

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