

Title (en)
FERRITIC ALLOY

Title (de)
FERRITISCHE LEGIERUNG

Title (fr)
ALLIAGE FERRITIQUE

Publication
EP 3445884 B1 20201007 (EN)

Application
EP 17708795 A 20170306

Priority
• EP 16166661 A 20160422
• EP 2017055143 W 20170306

Abstract (en)
[origin: WO2017182188A1] A ferritic alloy comprising the following elements in weight% [wt%] C 0.01 to 0.1; N: 0.001 to 0.1; O: ≤ 0.2 ; Cr 4 to 15; Al 2 to 6; Si 0.5 to 3; Mn: ≤ 0.4 ; Mo + W ≤ 4 ; Y ≤ 1.0 ; Sc, Ce, and/or La ≤ 0.2 ; Zr ≤ 0.40 ; RE ≤ 0.4 ; balance Fe and normal occurring impurities and also fulfilling the following equation has to be fulfilled: $0.014 \leq (Al + 0.5Si + 0.1) \leq 0.022$.

IPC 8 full level
C22C 38/00 (2006.01); **C22C 1/02** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/18** (2006.01); **C22C 38/28** (2006.01); **C22C 38/44** (2006.01); **C22C 38/50** (2006.01)

CPC (source: CN EP US)
C22C 1/02 (2013.01 - EP US); **C22C 38/001** (2013.01 - CN EP US); **C22C 38/005** (2013.01 - CN EP US); **C22C 38/02** (2013.01 - CN EP US); **C22C 38/04** (2013.01 - CN EP US); **C22C 38/06** (2013.01 - CN EP US); **C22C 38/18** (2013.01 - CN); **C22C 38/22** (2013.01 - CN); **C22C 38/28** (2013.01 - CN EP US); **C22C 38/34** (2013.01 - CN); **C22C 38/44** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C23C 30/00** (2013.01 - CN); **C21D 2211/005** (2013.01 - EP US)

Designated contracting state (EPC)
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WO 2017182188 A1 20171026; BR 112018071646 A2 20190219; BR 112018071646 B1 20220322; CA 3020420 A1 20171026; CA 3020420 C 20230829; CN 109072384 A 20181221; CN 113088830 A 20210709; CN 113088830 B 20230901; DK 3445884 T3 20201130; EP 3445884 A1 20190227; EP 3445884 B1 20201007; ES 2842424 T3 20210714; JP 2019516015 A 20190613; JP 2022046521 A 20220323; JP 2024079699 A 20240611; JP 7059198 B2 20220425; PL 3445884 T3 20210419; US 2019106774 A1 20190411

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