

Title (en)
FERRITIC ALLOY

Title (de)
FERRITISCHE LEGIERUNG

Title (fr)
ALLIAGE FERRITIQUE

Publication
EP 3445884 A1 20190227 (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: $0.014 \leq (Al + 0.5SQ(Cr + 10Si + 0.1)) \leq 0.022$.

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (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)

Citation (search report)
See references of WO 2017182188A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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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