

Title (en)
FERRITIC ALLOY

Title (de)
FERRITISCHE LEGIERUNG

Title (fr)
ALLIAGE FERRITIQUE

Publication
EP 3631034 A1 20200408 (EN)

Application
EP 17726608 A 20170524

Priority
EP 2017062567 W 20170524

Abstract (en)
[origin: WO2018215065A1] 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, La and/or Yb ≤ 0.2 ; Zr ≤ 0.40 ; RE ≤ 3.0 ; 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 38/34 (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/06** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01)

CPC (source: EP US)
C22C 38/001 (2013.01 - EP US); **C22C 38/005** (2013.01 - EP); **C22C 38/02** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP); **C22C 38/24** (2013.01 - EP); **C22C 38/26** (2013.01 - EP); **C22C 38/28** (2013.01 - EP US); **C22C 38/34** (2013.01 - EP)

Citation (search report)
See references of WO 2018215065A1

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 2018215065 A1 20181129; BR 112019024471 A2 20200616; CA 3062819 A1 20181129; CN 110709529 A 20200117; EP 3631034 A1 20200408; JP 2020521051 A 20200716; JP 7267936 B2 20230502; US 2020181745 A1 20200611

DOCDB simple family (application)
EP 2017062567 W 20170524; BR 112019024471 A 20170524; CA 3062819 A 20170524; CN 201780091046 A 20170524; EP 17726608 A 20170524; JP 2019564792 A 20170524; US 201716613137 A 20170524