

Title (en)
AUSTENITE ALLOY, BLANK AND COMPONENT, AND METHOD

Title (de)
AUSTENITLEGIERUNG, ROHTEIL UND BAUTEIL SOWIE VERFAHREN

Title (fr)
ALLIAGE AUSTÉNITIQUE, ÉBAUCHE ET COMPOSANT, ET PROCÉDÉ

Publication
EP 4377487 A1 20240605 (DE)

Application
EP 22789472 A 20220909

Priority

- DE 102021211652 A 20211015
- EP 2022075062 W 20220909

Abstract (en)
[origin: WO2023061673A1] The invention relates to an alloy, comprising at least (in wt.%): carbon (C) 0.03% - 0.08%, silicon (Si) 0.2% - 0.4%, manganese (Mn) 1.6% - 2.0%, molybdenum (Mo) 4.0% - 5.0%, chromium (Cr) 20.0% - 25.0%, nickel (Ni) 24.0% - 27.0%, vanadium (V) 0.25% - 0.35%, titanium (Ti) 2.0% - 2.3%, aluminum (Al) 0.4% - 0.6%, boron (B) 0.004% - 0.006%, iron (Fe).

IPC 8 full level
C22C 38/02 (2006.01); **C21D 6/00** (2006.01); **C21D 6/02** (2006.01); **C22C 30/00** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/50** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP KR)
C21D 6/004 (2013.01 - EP KR); **C21D 6/02** (2013.01 - EP KR); **C22C 30/00** (2013.01 - EP KR); **C22C 38/02** (2013.01 - EP KR); **C22C 38/04** (2013.01 - EP KR); **C22C 38/06** (2013.01 - EP KR); **C22C 38/44** (2013.01 - EP KR); **C22C 38/46** (2013.01 - EP KR); **C22C 38/50** (2013.01 - EP KR); **C22C 38/54** (2013.01 - EP KR); **C21D 2211/001** (2013.01 - EP KR); **C21D 2211/004** (2013.01 - EP KR)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021211652 A1 20230420; **DE 102021211652 A8 20230615**; **DE 102021211652 A9 20230727**; CN 118103540 A 20240528; EP 4377487 A1 20240605; KR 20240093570 A 20240624; WO 2023061673 A1 20230420

DOCDB simple family (application)
DE 102021211652 A 20211015; CN 202280068677 A 20220909; EP 2022075062 W 20220909; EP 22789472 A 20220909; KR 20247015959 A 20220909