Title (en)

SUPER AUSTENITIC MATERIAL

Title (de)

SUPERAUSTENITISCHER WERKSTOFF

Title (fr)

MATÉRIAU SUPERAUSTÉNITIQUE

Publication

EP 3899064 B1 20230830 (DE)

Application

EP 19829564 A 20191219

Priority

- DE 102018133255 A 20181220
- EP 2019086385 W 20191219

Abstract (en)

[origin: WO2020127788A1] The invention relates to a superaustenitic material consisting of an alloy with the following components (all indications in wt.%): the elements carbon (C) 0.01-0.2, silicon (Si) < 0.51, manganese (Mn) 3.0 -8.0, phosphorus (P) < 0.0, sulphur (S) < 0.00, iron (Fe) residuum, chrome (Cr) 23.0 –30.0, molybdenum (Mo) 2.0 –4.0, nickel (Ni) 10.0 –16.0, vanadium (V) < 0, tungsten (W) < 0, copper (Cu) < 0.52, cobalt (Co) < 5.0, titanium (Ti) < 0, aluminium (Al) < 0.2, niobium (Nb) < 0, boron (B) < 0.01, and nitrogen (N) 0.50-0.90.

IPC 8 full level

C21D 6/00 (2006.01); **C21D 7/02** (2006.01); **C21D 7/10** (2006.01); **C21D 8/02** (2006.01); **C21D 9/08** (2006.01); **C21D 9/46** (2006.01); **C22C 38/22** (2006.01); **C22C 38/38** (2006.01); **C22C 38/40** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); C22C 33/02 (2006.01); C22C 38/00 (2006.01); C22C 38/48 (2006.01); C22C 38/50 (2006.01); C22C 38/52 (2006.01); C22C 38/54 (2006.01); C22C 38/58 (2006.01)

CPC (source: EP US)

C21D 6/004 (2013.01 - EP); **C21D 6/005** (2013.01 - EP); **C21D 7/02** (2013.01 - EP US); **C21D 7/10** (2013.01 - EP); **C21D 7/13** (2013.01 - US); **C21D 8/02** (2013.01 - EP); **C21D 8/0205** (2013.01 - US); **C21D 8/0236** (2013.01 - EP); **C21D 8/0247** (2013.01 - EP); **C21D 8/0263** (2013.01 - EP); **C21D 8/0273** (2013.01 - EP US); **C21D 9/08** (2013.01 - EP); **C21D 9/46** (2013.01 - EP); **C22C 38/001** (2013.01 - US); **C22C 38/002** (2013.01 - US); **C22C 38/02** (2013.01 - US); **C22C 38/04** (2013.01 - US); **C22C 38/22** (2013.01 - EP); **C22C 38/38** (2013.01 - EP); **C22C 38/40** (2013.01 - EP); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP); **C22C 38/52** (2013.01 - US); **C22C 38/54** (2013.01 - US); **C22C 38/58** (2013.01 - US); C21D 2211/001 (2013.01 - EP US); C22C 33/0285 (2013.01 - EP); C22C 38/001 (2013.01 - EP); C22C 38/48 (2013.01 - EP); C22C 38/50 (2013.01 - EP); C22C 38/52 (2013.01 - EP); C22C 38/54 (2013.01 - EP); C22C 38/58 (2013.01 - EP)

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WO 2020127788 A1 20200625; BR 112021011844 A2 20210831; BR 112021011844 A8 20230509; BR 112021011849 A2 20210908; CA 3122044 A1 20200625; CA 3124189 A1 20200625; CA 3124189 C 20231031; CN 113544294 A 20211022; CN 113544295 A 20211022; DE 102018133255 A1 20200625; EA 202191412 A1 20210928; EA 202191413 A1 20210928; EP 3899063 A1 20211027; EP 3899063 B1 20230830; EP 3899063 C0 20230830; EP 3899064 A1 20211027; EP 3899064 B1 20230830; EP 3899064 C0 20230830; ES 2956332 T3 20231219; ES 2957403 T3 20240119; JP 2022514920 A 20220216; JP 2022522092 A 20220414; PL 3899063 T3 20231204; PL 3899064 T3 20231120; US 2022145436 A1 20220512; US 2023332282 A1 20231019; US 2024052469 A2 20240215; WO 2020127789 A1 20200625

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EP 2019086384 W 20191219; BR 112021011844 A 20191219; BR 112021011849 A 20191219; CA 3122044 A 20191219; CA 3124189 A 20191219; CN 201980092768 A 20191219; CN 201980092769 A 20191219; DE 102018133255 A 20181220; EA 202191412 A 20191219; EA 202191413 A 20191219; EP 19829563 A 20191219; EP 19829564 A 20191219; EP 2019086385 W 20191219; ES 19829563 T 20191219; ES 19829564 T 20191219; JP 2021536111 A 20191219; JP 2021536112 A 20191219; PL 19829563 T 20191219; PL 19829564 T 20191219; US 201917413986 A 20191219; US 201917414008 A 20191219