

Title (en)

Method of processing maraging steel

Title (de)

Verfahren zur Verarbeitung von martensitaushärtendem Stahl

Title (fr)

Procédé de traitement d'acier maraging

Publication

**EP 2157196 A1 20100224 (EN)**

Application

**EP 09251975 A 20090811**

Priority

US 19137508 A 20080814

Abstract (en)

A method of processing a workpiece of maraging steel includes receiving a workpiece (22) of maraging steel that has been subjected to thermomechanical processing (38, 36) at an austenite solutionizing temperature and then directly aging (26) the workpiece of maraging steel at an aging temperature to form precipitates within a microstructure of the workpiece (42) of maraging steel, without any intervening heat treatments between the thermomechanical processing and the direct aging.

IPC 8 full level

**C21D 6/02** (2006.01); **C21D 6/00** (2006.01); **C22C 38/08** (2006.01)

CPC (source: EP US)

**C21D 6/001** (2013.01 - EP US); **C21D 6/007** (2013.01 - EP US); **C21D 6/02** (2013.01 - EP US); **C22C 38/105** (2013.01 - EP US)

Citation (search report)

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- [A] JP H08218122 A 19960827 - DAIDO STEEL CO LTD
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- [X] DATABASE COMPENDEX [online] ENGINEERING INFORMATION, INC., NEW YORK, NY, US; BUSH R H: "Mechanical properties of ausformed maraging steel", XP002555761, Database accession no. EIX19640039813 & BUSH, R.H.: "Mechanical properties of ausformed maraging steel", ASM TRANSACTIONS QUARTERLY, vol. 56, no. 4, December 1963 (1963-12-01), US, pages 885 - 887, XP009125862
- [A] HE Y ET AL: "Strengthening and toughening of a 2800-MPa grade maraging steel", MATERIALS LETTERS, NORTH HOLLAND PUBLISHING COMPANY, AMSTERDAM, NL, vol. 56, no. 5, 1 November 2002 (2002-11-01), pages 763 - 769, XP004388931, ISSN: 0167-577X

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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