

Title (en)

Use of a steel for pipe components and pipe components for heat exchanger

Title (de)

Verwendung eines Stahls für Rohrbauteile und Rohrbauteile für Rohr-Wärmetauscher

Title (fr)

Utilisation d'un acier pour composants tubulaires et composants tubulaires pour échangeur thermique

Publication

EP 1529853 B1 20120222 (DE)

Application

EP 04450192 A 20041013

Priority

AT 17832003 A 20031107

Abstract (en)

[origin: EP1529853A2] Main alloying constituents (wt. %) are carbon (0.22-0.29), chromium (1.1-1.5), molybdenum (0.3-0.6), nickel (3.3-3.7) and optionally vanadium (0.05-0.15). The remainder is iron. Other minority substances which may be present include sulfide and oxide forming elements and impurities.

IPC 8 full level

C22C 38/44 (2006.01); **C22C 38/46** (2006.01)

CPC (source: EP US)

C22C 38/44 (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US)

Cited by

EP3121199A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1529853 A2 20050511; **EP 1529853 A3 20070905**; **EP 1529853 B1 20120222**; AT 414341 B 20101215; AT A17832003 A 20040715; AT E546560 T1 20120315; CA 2486902 A1 20050507; CA 2486902 C 20130709; ES 2382633 T3 20120612; NO 20044796 L 20050509; US 2005169790 A1 20050804; US 7662246 B2 20100216

DOCDB simple family (application)

EP 04450192 A 20041013; AT 04450192 T 20041013; AT 17832003 A 20031107; CA 2486902 A 20041104; ES 04450192 T 20041013; NO 20044796 A 20041104; US 98152604 A 20041105