

Title (en)

Use of a steel alloy as a substance for producing dynamically loaded tube components and tube component

Title (de)

Verwendung einer Stahllegierung als Werkstoff zur Herstellung von dynamisch belasteten Rohrbauteilen und Rohrbauteil

Title (fr)

Utilisation d'un alliage d'acier en tant que matière première pour la fabrication de composants de tuyaux chargés dynamiquement et composant de tuyau

Publication

EP 1961832 B1 20111130 (DE)

Application

EP 08002285 A 20080207

Priority

DE 102007006875 A 20070207

Abstract (en)

[origin: EP1961832A1] Use of a steel alloy containing (in wt.%) 0.32-0.45 carbon, 0.8-2.2 silicon, 0.1-0.8 manganese, 0.8-1.8 chromium, maximum 0.015 nitrogen, 0.01-0.08 niobium, maximum 0.4 vanadium, 0.001-0.005 boron and a balance of iron as a material in the production of dynamically loaded tubular components is new. The tubular component has a tensile strength in the annealed state of more than 1800 MPa and a yield point of more than 1600 MPa. An independent claim is also included for a tubular component made from the above steel alloy.

IPC 8 full level

C22C 38/26 (2006.01); **C21D 8/10** (2006.01); **C21D 9/08** (2006.01); **C22C 38/32** (2006.01)

CPC (source: EP)

C21D 6/002 (2013.01); **C21D 8/105** (2013.01); **C21D 9/08** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/24** (2013.01); **C22C 38/26** (2013.01); **C22C 38/34** (2013.01); **C21D 2211/001** (2013.01); **C21D 2211/004** (2013.01); **C21D 2211/009** (2013.01)

Cited by

EP2617855A3; US10041157B2; US11519047B2; US11384415B2; WO2017085135A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1961832 A1 20080827; **EP 1961832 B1 20111130**; AT E535625 T1 20111215; DE 102007006875 A1 20080814

DOCDB simple family (application)

EP 08002285 A 20080207; AT 08002285 T 20080207; DE 102007006875 A 20070207