

Title (en)

THICK STEEL PLATE FOR TANK GIVING WELD HEAT AFFECTED ZONE WITH EXCELLENT TOUGHNESS

Title (de)

DICKE STAHLPLATTE FÜR TANK MIT VON SCHWEISSWÄRME BETROFFENER ZONE MIT AUSGEZEICHNETER FESTIGKEIT

Title (fr)

TÔLE D'ACIER ÉPAISSE POUR RÉSERVOIR PRÉSENTANT UNE ZONE AFFECTÉE PAR LA CHALEUR DE SOUDAGE AYANT UNE EXCELLENTE TÉNACITÉ

Publication

**EP 3208359 A1 20170823 (EN)**

Application

**EP 15851035 A 20151005**

Priority

- JP 2014212542 A 20141017
- JP 2015078205 W 20151005

Abstract (en)

A thick steel plate for tanks which contains given components and satisfies the relationship (Ti content [Ti]) $\times$ (N content [N]) $\leq$ 0.000085 and in which the nonmetallic particles having a size of 1  $\mu$ m or larger in terms of equivalent circular diameter have a specific average composition and the Ti-containing nitrides satisfy specific average number densities.

IPC 8 full level

**C22C 38/00** (2006.01); **C21C 7/04** (2006.01); **C21D 8/02** (2006.01); **C22C 38/14** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR)

**C22C 38/00** (2013.01 - EP); **C22C 38/001** (2013.01 - EP); **C22C 38/002** (2013.01 - EP KR); **C22C 38/005** (2013.01 - EP); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP); **C22C 38/06** (2013.01 - EP); **C22C 38/08** (2013.01 - EP); **C22C 38/12** (2013.01 - EP); **C22C 38/14** (2013.01 - EP KR); **C22C 38/16** (2013.01 - EP); **C22C 38/22** (2013.01 - EP); **C22C 38/26** (2013.01 - EP); **C22C 38/28** (2013.01 - EP); **C22C 38/38** (2013.01 - EP); **C22C 38/58** (2013.01 - KR); **C21C 7/04** (2013.01 - EP); **C21D 8/02** (2013.01 - EP)

Cited by

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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

DOCDB simple family (publication)

**EP 3208359 A1 20170823**; **EP 3208359 A4 20180523**; CN 107075635 A 20170818; JP 2016079461 A 20160516; JP 6301805 B2 20180328; KR 20170052654 A 20170512; WO 2016059997 A1 20160421

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**EP 15851035 A 20151005**; CN 201580055620 A 20151005; JP 2014212542 A 20141017; JP 2015078205 W 20151005; KR 20177009619 A 20151005