

Title (en)
TITANIUM PLATE

Title (de)
TITANPLATTE

Title (fr)
PLAQUE DE TITANE

Publication
EP 2397569 A1 20111221 (EN)

Application
EP 10741293 A 20100212

Priority
• JP 2010052084 W 20100212
• JP 2009030696 A 20090213
• JP 2010003227 A 20100108

Abstract (en)
An object of the present invention is to provide a titanium plate having high strength and excellent workability. In order to achieve the above object, there is provided a titanium plate having, by mass, an iron content of more than 0.10% and less than 0.60%, an oxygen content of more than 0.005% and less than 0.10%, a carbon content of less than 0.015%, a nitrogen content of less than 0.015%, a hydrogen content of less than 0.015%, with the balance being titanium and unavoidable impurities, wherein a two-phase structure of an α -phase and a β -phase is formed, and the β -phase is formed so as to have a circle-equivalent average grain size of 3 μm or less.

IPC 8 full level
C22C 14/00 (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP KR)
C22C 14/00 (2013.01 - EP KR); **C22F 1/02** (2013.01 - KR); **C22F 1/18** (2013.01 - KR); **C22F 1/183** (2013.01 - EP)

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2397569 A1 20111221; **EP 2397569 A4 20120725**; CN 102317485 A 20120111; CN 102317485 B 20130116; JP 2010209462 A 20100924; JP 4666271 B2 20110406; KR 101313439 B1 20131001; KR 20110102512 A 20110916; RU 2464333 C1 20121020; TW 201034963 A 20101001; TW I415796 B 20131121; WO 2010093016 A1 20100819

DOCDB simple family (application)
EP 10741293 A 20100212; CN 201080007589 A 20100212; JP 2010003227 A 20100108; JP 2010052084 W 20100212; KR 20117018572 A 20100212; RU 2011137539 A 20100212; TW 99104738 A 20100212