

Title (en)

THREE-LAYER HIGH-STRENGTH STEEL OR BALLISTIC STEEL, METHOD FOR PRODUCING A COMPONENT, AND USE THEREOF

Title (de)

DREILAGIGER VERSCHLEISSSTAHL ODER SICHERHEITSSTAHL, VERFAHREN ZUR HERSTELLUNG EINER KOMPONENTE UND VERWENDUNG

Title (fr)

ACIER RÉSISTANT À L'USURE OU ACIER DE SÉCURITÉ À TROIS COUCHES, PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT ET UTILISATION

Publication

EP 3625046 A1 20200325 (DE)

Application

EP 18722028 A 20180503

Priority

- DE 102017208252 A 20170516
- EP 2018061341 W 20180503

Abstract (en)

[origin: WO2018210574A1] The invention relates to a three-layer high-strength steel or ballistic steel. The invention further relates to a method for producing a component that consists of the high-strength steel or ballistic steel, and to a corresponding use.

IPC 8 full level

B21B 1/38 (2006.01); **B22D 11/00** (2006.01); **B23K 20/04** (2006.01); **B32B 15/01** (2006.01); **C21D 6/00** (2006.01); **C21D 8/02** (2006.01); **C21D 9/42** (2006.01); **C21D 9/46** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/16** (2006.01); **C22C 38/18** (2006.01); **C23C 2/00** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP KR US)

B22D 11/007 (2013.01 - KR US); **B22D 11/008** (2013.01 - KR US); **B32B 15/011** (2013.01 - EP KR US); **C21D 6/005** (2013.01 - EP KR); **C21D 6/008** (2013.01 - EP KR); **C21D 8/02** (2013.01 - EP); **C21D 8/0205** (2013.01 - EP KR US); **C21D 8/0247** (2013.01 - EP KR); **C21D 8/0263** (2013.01 - EP KR US); **C21D 9/42** (2013.01 - EP KR); **C21D 9/46** (2013.01 - EP); **C22C 38/001** (2013.01 - US); **C22C 38/008** (2013.01 - US); **C22C 38/02** (2013.01 - EP KR US); **C22C 38/04** (2013.01 - EP KR US); **C22C 38/06** (2013.01 - EP KR US); **C22C 38/08** (2013.01 - EP KR US); **C22C 38/10** (2013.01 - US); **C22C 38/12** (2013.01 - EP KR US); **C22C 38/14** (2013.01 - EP KR US); **C22C 38/16** (2013.01 - EP KR US); **C22C 38/18** (2013.01 - EP KR); **C22C 38/32** (2013.01 - US); **C22C 38/58** (2013.01 - KR); **F41H 5/045** (2013.01 - EP KR US); **B32B 2250/03** (2013.01 - US); **B32B 2250/40** (2013.01 - US); **B32B 2255/06** (2013.01 - US); **B32B 2255/205** (2013.01 - US); **B32B 2311/30** (2013.01 - US); **C21D 2211/005** (2013.01 - EP); **C21D 2211/008** (2013.01 - EP); **C21D 2251/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2018210574A1

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)

WO 2018210574 A1 20181122; AU 2018268764 A1 20191017; BR 112019023531 A2 20200519; CA 3056409 A1 20181122; DE 102017208252 A1 20181122; EP 3625046 A1 20200325; KR 20200004839 A 20200114; MX 2019013272 A 20200113; US 2020061971 A1 20200227

DOCDB simple family (application)

EP 2018061341 W 20180503; AU 2018268764 A 20180503; BR 112019023531 A 20180503; CA 3056409 A 20180503; DE 102017208252 A 20170516; EP 18722028 A 20180503; KR 20197035018 A 20180503; MX 2019013272 A 20180503; US 201816611637 A 20180503