

Title (en)

OSCILLATING WELDING METHOD

Title (de)

PENDELNDES SCHWEISSVERFAHREN

Title (fr)

PROCÉDÉ DE SOUDAGE OSCILLATOIRE

Publication

EP 3066305 A1 20160914 (DE)

Application

EP 14707705 A 20140221

Priority

- DE 102014200834 A 20140117
- EP 2014053389 W 20140221

Abstract (en)

[origin: WO2015106833A1] The oscillating movement in a vertical and/or horizontal direction during welding results in smaller grains, which prevent the formation of fractures during welding. The invention relates to a method for welding a substrate (3), in which an energy source (13) and/or a material feed (14) is or are moved in an oscillating motion over the surface (5) of the substrate (3).

IPC 8 full level

B23K 26/08 (2006.01); **B23K 26/14** (2006.01); **B23K 26/34** (2014.01); **B23K 35/02** (2006.01); **B23P 6/00** (2006.01); **B23P 6/04** (2006.01);
F01D 5/00 (2006.01)

CPC (source: EP KR US)

B23K 10/02 (2013.01 - US); **B23K 15/002** (2013.01 - US); **B23K 26/06** (2013.01 - EP KR US); **B23K 26/08** (2013.01 - EP US);
B23K 26/082 (2015.10 - EP KR US); **B23K 26/14** (2013.01 - US); **B23K 26/1438** (2015.10 - US); **B23K 26/144** (2015.10 - EP KR US);
B23K 26/342 (2015.10 - EP KR US); **B23K 35/0244** (2013.01 - EP KR US); **F01D 5/005** (2013.01 - KR); **F01D 5/12** (2013.01 - US);
F01D 9/02 (2013.01 - US); **B23K 2101/001** (2018.07 - EP US); **B23K 2103/08** (2018.07 - EP US); **F01D 5/005** (2013.01 - EP US);
F05D 2220/30 (2013.01 - US); **F05D 2230/233** (2013.01 - US); **F05D 2230/30** (2013.01 - US); **F05D 2230/31** (2013.01 - EP KR US);
F05D 2300/175 (2013.01 - US)

Citation (search report)

See references of WO 2015106833A1

Citation (examination)

JP 2008194730 A 20080828 - UNIPRES CORP

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 2015106833 A1 20150723; CN 105917078 A 20160831; DE 102014200834 A1 20150723; EP 3066305 A1 20160914;
KR 101908827 B1 20181016; KR 20160096189 A 20160812; US 10286490 B2 20190514; US 2016318124 A1 20161103;
US 2019091800 A1 20190328

DOCDB simple family (application)

EP 2014053389 W 20140221; CN 201480073421 A 20140221; DE 102014200834 A 20140117; EP 14707705 A 20140221;
KR 20167018857 A 20140221; US 201415110773 A 20140221; US 201816196524 A 20181120