

Title (en)

TITANIUM-CONTAINING AGGREGATE, METHOD FOR THE PRODUCTION THEREOF AND USE THEREOF

Title (de)

TITANHALTIGER ZUSCHLAGSSTOFF, VERFAHREN ZU DESSEN HERSTELLUNG UND DESSEN VERWENDUNG

Title (fr)

AGRÉGAT CONTENANT DU TITANE, SON PROCÉDÉ DE FABRICATION ET SON UTILISATION

Publication

EP 2941489 A1 20151111 (DE)

Application

EP 13824297 A 20131224

Priority

- DE 102013100077 A 20130107
- DE 2013100440 W 20131224

Abstract (en)

[origin: WO2014106506A1] The subject matter of the invention is a titanium-containing aggregate obtainable by mixing and/or treating residue from the production of titanium dioxide which accumulates during the production of titanium dioxide according to the sulfate process and/or chloride process with basic slag from the production of metal; a method for the production thereof; and the use thereof in metallurgical processes and as aggregate and/or filler material for concrete, cement, asphalt, refractory materials, repair compounds, sizing substances.

IPC 8 full level

C21B 3/04 (2006.01); **C01G 23/047** (2006.01); **C04B 18/14** (2006.01); **C09D 7/62** (2018.01); **C22B 7/04** (2006.01)

CPC (source: EP RU US)

B01J 20/0211 (2013.01 - EP US); **B01J 21/063** (2013.01 - US); **C04B 5/00** (2013.01 - US); **C04B 7/24** (2013.01 - EP US); **C04B 18/021** (2013.01 - US); **C04B 18/14** (2013.01 - RU); **C04B 28/02** (2013.01 - EP US); **C04B 40/0039** (2013.01 - EP US); **C05D 9/00** (2013.01 - EP US); **C08K 3/013** (2017.12 - EP US); **C08L 95/00** (2013.01 - EP US); **C09D 7/62** (2017.12 - EP US); **C21B 3/04** (2013.01 - EP US); **F27D 3/0033** (2013.01 - EP US); **C04B 2111/28** (2013.01 - EP US); **C04B 2111/72** (2013.01 - EP US); **C08L 2555/52** (2013.01 - US); **C21B 7/06** (2013.01 - EP US); **C21B 2200/00** (2013.01 - EP US); **C21B 2400/028** (2018.07 - EP US); **Y02P 10/20** (2015.11 - EP US); **Y02P 40/10** (2015.11 - EP US); **Y02W 30/50** (2015.05 - EP US); **Y02W 30/91** (2015.05 - EP US)

C-Set (source: EP US)

1. **C04B 28/02 + C04B 14/305 + C04B 18/141 + C04B 20/0076**
2. **C04B 40/0039 + C04B 14/305 + C04B 18/141 + C04B 20/0076**

Citation (search report)

See references of WO 2014106506A1

Citation (examination)

- DE 4419816 C1 19950629 - METALLGESELLSCHAFT AG [DE], et al
- JP 2008069525 A 20080327 - TAYCA 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)

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DOCDB simple family (publication)

WO 2014106506 A1 20140710; BR 112015015692 A2 20170711; CN 104919061 A 20150916; DE 102013114865 A1 20140710; EP 2941489 A1 20151111; JP 2016510255 A 20160407; JP 2018090486 A 20180614; JP 6585747 B2 20191002; KR 101735414 B1 20170529; KR 20150103693 A 20150911; MX 2015008600 A 20151029; RU 2015132828 A 20170209; RU 2634831 C2 20171103; UA 113909 C2 20170327; US 2015344363 A1 20151203

DOCDB simple family (application)

DE 2013100440 W 20131224; BR 112015015692 A 20131224; CN 201380069570 A 20131224; DE 102013114865 A 20131224; EP 13824297 A 20131224; JP 2015551127 A 20131224; JP 2018022900 A 20180213; KR 20157019991 A 20131224; MX 2015008600 A 20131224; RU 2015132828 A 20131224; UA A201507710 A 20131224; US 201314655065 A 20131224