

Title (en)

NEW COMPOSITE IRON-BASED POWDER COMPOSITION AND MANUFACTURING METHOD FOR POWDER COMPONENT

Title (de)

NEUE ZUSAMMENSETZUNG EINES EISEN-BASIS KOMPOSITPULVERS, UND VERFAHREN ZUR HERSTELLUNG EINER PULVERKOMPONENTE

Title (fr)

NOUVELLE COMPOSITION DE POUDRE COMPOSITE À BASE DE FER, ET MÉTHODE DE FABRICATION D'UN COMPOSANT DE POUDRE

Publication

EP 2695171 A2 20140212 (EN)

Application

EP 12713715 A 20120405

Priority

- EP 11161536 A 20110407
- US 201161474468 P 20110412
- EP 2012056269 W 20120405
- EP 12713715 A 20120405

Abstract (en)

[origin: EP2509081A1] The present invention concerns a composite iron- based powder mix suitable for soft magnetic applications such as inductor cores. The present invention also concerns a method for producing a soft magnetic component and the component produced by the method.

IPC 8 full level

H01F 1/24 (2006.01); **B22F 1/102** (2022.01); **B22F 1/16** (2022.01); **H01F 41/02** (2006.01)

CPC (source: EP KR RU US)

B22F 1/102 (2022.01 - EP KR RU US); **B22F 1/16** (2022.01 - EP KR RU US); **B22F 3/16** (2013.01 - US); **C22C 33/0207** (2013.01 - EP US); **C22C 38/02** (2013.01 - US); **C22C 38/06** (2013.01 - US); **H01F 1/24** (2013.01 - EP KR US); **H01F 41/02** (2013.01 - KR); **H01F 41/0246** (2013.01 - EP US); **B22F 9/082** (2013.01 - EP US); **H01F 1/24** (2013.01 - RU); **H01F 41/02** (2013.01 - RU); **Y10T 428/249921** (2015.04 - EP US)

Citation (search report)

See references of WO 2012136758A2

Cited by

US11939646B2; US11253957B2; US12076788B2

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

DOCDB simple family (publication)

EP 2509081 A1 20121010; BR 112013025814 A2 20180502; CA 2832005 A1 20121011; CA 2832005 C 20191126; CN 103597556 A 20140219; CN 110085386 A 20190802; EP 2695171 A2 20140212; EP 2695171 B1 20180801; ES 2693646 T3 20181213; JP 2014515880 A 20140703; JP 2017143259 A 20170817; JP 2019134166 A 20190808; JP 6480966 B2 20190313; KR 101884214 B1 20180830; KR 20140034185 A 20140319; PL 2695171 T3 20190131; RU 2013149408 A 20150520; RU 2631246 C2 20170920; TW 201303915 A 20130116; TW I606471 B 20171121; US 2014049354 A1 20140220; WO 2012136758 A2 20121011; WO 2012136758 A3 20121129

DOCDB simple family (application)

EP 11161536 A 20110407; BR 112013025814 A 20120405; CA 2832005 A 20120405; CN 201280028066 A 20120405; CN 201910168878 A 20120405; EP 12713715 A 20120405; EP 2012056269 W 20120405; ES 12713715 T 20120405; JP 2014503149 A 20120405; JP 2017018280 A 20170203; JP 2019021180 A 20190208; KR 20137029625 A 20120405; PL 12713715 T 20120405; RU 2013149408 A 20120405; TW 101112110 A 20120405; US 201214110418 A 20120405