

Title (en)

PROCESS FOR MAKING PARTICLES OF FERROMAGNETIC MATERIAL COATED WITH A LAYER OF NIZN FERRITE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PARTIKELN AUS FERROMAGNETISCHEM MATERIAL, DIE MIT EINER SCHICHT AUS NIZN FERRIT BESCHICHTET SIND

Title (fr)

PROCEDE POUR LA FABRICATION DE MATÉRIAU FERROMAGNÉTIQUE ENROBÉES D'UNE COUCHE DE FERRITE DE TYPE NIZN

Publication

EP 3265257 A1 20180110 (FR)

Application

EP 16713538 A 20160303

Priority

- FR 1551816 A 20150304
- FR 2016050497 W 20160303

Abstract (en)

[origin: WO2016139431A1] The present invention concerns a method for coating particles of ferromagnetic material with a layer of NiZn ferrite. Said method comprises: - providing particles of ferromagnetic material; - activating the surface of the particles of ferromagnetic material; - coating the particles of ferromagnetic material with ferrite precursors; and - recovering the particles of ferromagnetic material coated in this way. The method can further comprise the formation of an intermediate layer of silica at the surface of the particles prior to coating. The present invention also concerns particles that can be obtained by said method, a method for producing a sintered article from said particles and the sintered article in question.

IPC 8 full level

B22F 1/145 (2022.01); **B22F 1/16** (2022.01); **B22F 3/12** (2006.01); **B22F 9/20** (2006.01); **H01F 1/24** (2006.01)

CPC (source: EP US)

B22F 1/145 (2022.01 - EP US); **B22F 1/16** (2022.01 - EP US); **B22F 3/12** (2013.01 - EP US); **H01F 1/24** (2013.01 - EP); **H01F 1/33** (2013.01 - EP); **B22F 2998/10** (2013.01 - EP); **C22C 2202/02** (2013.01 - EP)

Citation (search report)

See references of WO 2016139431A1

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 2016139431 A1 20160909; EP 3265257 A1 20180110; FR 3033271 A1 20160909; FR 3033271 B1 20191129

DOCDB simple family (application)

FR 2016050497 W 20160303; EP 16713538 A 20160303; FR 1551816 A 20150304