Title (en)

METHOD FOR MANUFACTURING NEEDLE-SHAPED OR ROD-SHAPED POROUS IRON POWDER AND NEEDLE-SHAPED OR ROD-SHAPED POROUS IRON POWDER MANUFACTURED THEREBY

Title (de)

VERFAHREN ZUR HERSTELLUNG VON NADELFÖRMIGEM ODER STÄBCHENFÖRMIGEM PORÖSEM EISENPULVER UND DADURCH HERGESTELLTES NADELFÖRMIGES ODER STÄBCHENFÖRMIGES PORÖSES EISENPULVER

Title (fr)

PROCÉDÉ DE FABRICATION DE POUDRE D'ÉPONGE DE FER EN FORME D'AIGUILLE OU EN FORME DE TIGE ET POUDRE D'ÉPONGE DE FER EN FORME D'AIGUILLE OU EN FORME DE TIGE AINSI FABRIQUÉE

Publication

EP 3878580 A1 20210915 (EN)

Application

EP 19881941 A 20191104

Priority

- KR 20180134325 A 20181105
- KR 2019014795 W 20191104

Abstract (en)

The present invention relates to a method for manufacturing a needle-shaped or rod-shaped porous iron powder. Specifically, the present invention provides a method for manufacturing a needle-shaped or rod-shaped porous iron powder and a needle-shaped or rod-shaped porous iron powder manufactured thereby, the method comprising the steps of: preparing a ferrous dichloride chloride by concentrating a ferrous chloride aqueous solution; solid-liquid separating the ferrous dichloride to prepare ferrous dichloride powder; oxidizing the ferrous dichloride powder; and reducing the oxidized ferrous dichloride.

IPC 8 full level

B22F 9/24 (2006.01); **B22F 1/062** (2022.01)

CPC (source: EP KR US)

B22F 1/062 (2022.01 - EP KR US); **B22F 9/22** (2013.01 - EP US); **B22F 9/24** (2013.01 - KR US); B22F 2201/01 (2013.01 - KR); B22F 2201/013 (2013.01 - US); B22F 2201/03 (2013.01 - KR US); B22F 2201/04 (2013.01 - US); B22F 2301/35 (2013.01 - KR US); B22F 2999/00 (2013.01 - EP)

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)

EP 3878580 A1 20210915; **EP 3878580 A4 20211229**; CN 112969544 A 20210615; JP 2022506098 A 20220117; KR 102175428 B1 20201106; KR 20200051233 A 20200513; US 2022008992 A1 20220113; WO 2020096293 A1 20200514

DOCDB simple family (application)

EP 19881941 A 20191104; CN 201980072505 A 20191104; JP 2021523261 A 20191104; KR 20180134325 A 20181105; KR 2019014795 W 20191104; US 201917290677 A 20191104