

Title (en)
METHOD AND INSTALLATION FOR THE PRODUCTION OF A STARTING MATERIAL FOR PRODUCING OF RARE EARTH MAGNET

Title (de)
VERFAHREN UND ANLAGE ZUR HERSTELLUNG EINES AUSGANGSMATERIALS FÜR DIE HERSTELLUNG VON SELTENERDMAGNETEN

Title (fr)
PROCÉDÉ ET INSTALLATION DE FABRICATION D'UN MATÉRIAU DE DÉPART POUR LA FABRICATION D'AIMANTS À TERRES RARES

Publication
EP 3431209 B1 20230920 (DE)

Application
EP 18182618 A 20180710

Priority
DE 102017116272 A 20170719

Abstract (en)
[origin: US2019027284A1] A method for producing a powdered starting material, which is provided for production of rare earth magnets, including the following steps: pulverizing an alloy, including at least one rare earth metal, wherein a powdered intermediate product is formed from the alloy including at least one rare earth metal, and carrying out at least one classification aimed at particle size and/or density for the powdered intermediate product, wherein a fraction of the powdered intermediate product, which is formed by means of the at least one classification, for fabrication of rare earth magnets. Furthermore, at least one dynamic classifier is provided, implementing at least one classification directed at particle size and/or density for the powdered intermediate product and thereby separates the fraction from the powdered intermediate product, which forms the starting material provided for manufacturing rare earth magnets.

IPC 8 full level
B02C 15/00 (2006.01); **B02C 13/00** (2006.01); **B02C 13/04** (2006.01); **B07B 13/00** (2006.01); **B07B 13/04** (2006.01); **B22F 1/052** (2022.01); **B22F 3/12** (2006.01); **B22F 3/24** (2006.01); **B22F 9/04** (2006.01); **C22C 28/00** (2006.01); **C22C 33/02** (2006.01); **H01F 1/057** (2006.01)

CPC (source: CN EP RU US)
B07B 13/003 (2013.01 - EP US); **B07B 13/04** (2013.01 - EP US); **B22F 1/052** (2022.01 - CN EP RU US); **B22F 3/12** (2013.01 - EP US); **B22F 3/24** (2013.01 - EP US); **B22F 9/04** (2013.01 - CN EP RU US); **C22C 1/051** (2013.01 - US); **C22C 1/058** (2023.01 - US); **C22C 28/00** (2013.01 - EP US); **H01F 1/053** (2013.01 - RU); **H01F 1/0536** (2013.01 - US); **H01F 1/0577** (2013.01 - CN EP US); **H01F 41/0246** (2013.01 - US); **H01F 41/0253** (2013.01 - CN US); **H01F 41/0266** (2013.01 - CN); **B02C 2015/002** (2013.01 - EP US); **B04C 5/00** (2013.01 - US); **B22F 2009/041** (2013.01 - CN); **B22F 2009/044** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US); **C22C 33/025** (2013.01 - EP US); **C22C 2202/02** (2013.01 - EP US); **H01F 41/0266** (2013.01 - US)

C-Set (source: CN EP RU US)
CN EP RU
1. **B22F 2999/00 + B22F 1/052 + C22C 2202/02 + C22C 33/025**
2. **B22F 2999/00 + C22C 33/025 + C22C 2202/02 + B22F 1/052**
US
1. **B22F 2999/00 + C22C 33/025 + C22C 2202/02 + B22F 1/052**
2. **B22F 2999/00 + B22F 1/052 + C22C 2202/02 + C22C 33/025**

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