

Title (en)

METHOD FOR MODIFYING NICKEL POWDER AND METHOD FOR PRODUCING SAME

Title (de)

VERFAHREN ZUR MODIFIZIERUNG VON NICKELPULVER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

PROCÉDÉ POUR LA MODIFICATION DE POUDRE DE NICKEL ET PROCÉDÉ POUR LA PRODUCTION DE CELLE-CI

Publication

**EP 3296040 A1 20180321 (EN)**

Application

**EP 15892529 A 20150515**

Priority

JP 2015064107 W 20150515

Abstract (en)

The purpose of the present invention is to provide a method for modifying nickel microparticles weight loss of which occurs due to heat treatment such as burning and a method for producing nickel microparticles comprising the modification method. Provided is a method for modifying nickel microparticles comprising a step of making an acid and/or hydrogen peroxide act on nickel microparticles weight loss of which occurs due to heat treatment such as burning and a method for producing nickel microparticles comprising the modification method. The step of making an acid and/or hydrogen peroxide act reduces a rate of weight loss due to heat treatment of the nickel microparticles, nitric acid or a mixture of acids that include nitric acid is preferably used as the acid, and the nickel microparticles and acid and/or hydrogen peroxide are preferably made to act in a ketonic solvent.

IPC 8 full level

**B22F 1/00** (2022.01); **B22F 1/142** (2022.01); **B22F 1/145** (2022.01)

CPC (source: EP KR US)

**B22F 1/00** (2013.01 - EP KR US); **B22F 1/142** (2022.01 - EP KR US); **B22F 1/145** (2022.01 - EP KR US); **B22F 9/16** (2013.01 - KR US); **B22F 9/24** (2013.01 - EP US); **B22F 2301/15** (2013.01 - KR US); **B22F 2998/10** (2013.01 - US); **B22F 2999/00** (2013.01 - EP US)

C-Set (source: EP KR US)

EP KR

1. **B22F 2999/00 + B22F 1/145 + B22F 2202/17 + B22F 1/147**

2. **B22F 2999/00 + B22F 1/145 + B22F 1/147 + B22F 2202/17**

US

1. **B22F 2999/00 + B22F 1/145 + B22F 1/147 + B22F 2202/17**

2. **B22F 2999/00 + B22F 1/145 + B22F 2202/17 + B22F 1/147**

Designated contracting state (EPC)

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Designated extension state (EPC)

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**US 2017129008 A1 20170511**; CN 106660115 A 20170510; EP 3296040 A1 20180321; EP 3296040 A4 20190123; JP WO2016185529 A1 20180301; KR 20180005589 A 20180116; WO 2016185529 A1 20161124

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