

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 A4 20190123 (EN)

Application

EP 15892529 A 20150515

Priority

JP 2015064107 W 20150515

Abstract (en)

[origin: US2017129008A1] 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); **B22F 9/24** (2006.01)

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)

Citation (search report)

- [XYI] US 2006291137 A1 20061228 - LEE YONG K [KR], et al
- [XAYI] EP 1543902 A1 20050622 - TOHO TITANIUM CO LTD [JP]
- [YDA] EP 2184109 A1 20100512 - M TECH CO LTD [JP]
- See references of WO 2016185529A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 201515320022 A 20150515; CN 201580012915 A 20150515; EP 15892529 A 20150515; JP 2015064107 W 20150515; JP 2017518638 A 20150515; KR 20167034179 A 20150515