

Title (en)

NICKEL POWDER COMPRISING ULTRA-FINE SPHERICAL PARTICLES AND METHOD OF PRODUCING THE SAME

Publication

EP 0461866 A3 19920923 (EN)

Application

EP 91305280 A 19910612

Priority

JP 15164590 A 19900612

Abstract (en)

[origin: EP0461866A2] A method of continuously manufacturing an ultrafine spherical nickel powder containing 99.5% or more by weight of nickel in which chemical reaction of nickel chloride vapor and hydrogen is caused by introducing an inert gas into the reaction and controlling the nickel chloride vapor density to about 0.05 to 0.3 in the inert gas while controlling the reaction temperature to about 1,004 DEG C (1,277K) to 1,453 DEG C (1,726K). The ultrafine spherical nickel powder produced is formed of substantially spherical particles having a particle size of about 0.1 to 3 μ m, and contains about 99.5% or more by weight of nickel.

IPC 1-7

B22F 9/28

IPC 8 full level

B22F 9/28 (2006.01); **H01B 1/16** (2006.01); **H01B 1/22** (2006.01); **H05K 1/09** (2006.01)

CPC (source: EP KR)

B22F 9/00 (2013.01 - KR); **B22F 9/28** (2013.01 - EP)

Citation (search report)

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- [AD] US 4810285 A 19890307 - OTSUKA KENICHI [JP], et al
- [A] GB 552120 A 19430324 - TELEPHONE MFG CO LTD, et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 39 (M-665)5 February 1988 & JP-A-62 192 507 (AKINOBU YOSHIZAWA) 24 August 1987

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Designated contracting state (EPC)

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