

Title (en)

NICKEL FINE PARTICLE, MIXTURE OF NICKEL FINE PARTICLES, CONDUCTIVE PASTE AND METHOD FOR PRODUCING NICKEL FINE PARTICLE

Title (de)

NICKELFEINPARTIKEL, MISCHUNG AUS NICKELFEINPARTIKELN, LEITPASTE UND VERFAHREN ZUR HERSTELLUNG VON NICKELFEINPARTIKELN

Title (fr)

FINE PARTICULE DE NICKEL, MÉLANGE DE FINES PARTICULES DE NICKEL, PÂTE CONDUCTRICE ET PROCÉDÉ DE PRODUCTION DE FINES PARTICULES DE NICKEL

Publication

**EP 2559502 A1 20130220 (EN)**

Application

**EP 11768681 A 20110225**

Priority

- JP 2010091360 A 20100412
- JP 2011055012 W 20110225

Abstract (en)

To provide a nickel fine particle which can easily form a conductive path when contained in a conductive paste. A nickel fine particle which is formed of a ring body having a ring shape is formed by oxidizing a nickel chloride fine particle and, thereafter, by reducing a nickel oxide fine particle. By forming the nickel fine particle into the ring body, affinity between the nickel fine particle and a binder resin is improved so that a conductive path can be easily formed.

IPC 8 full level

**B22F 1/0655** (2022.01); **B22F 9/00** (2006.01); **B22F 9/22** (2006.01); **B22F 9/28** (2006.01); **C22C 19/03** (2006.01); **H01B 1/22** (2006.01); **H01B 5/00** (2006.01)

CPC (source: EP US)

**B22F 1/0655** (2022.01 - EP US); **B22F 9/22** (2013.01 - EP); **H01B 1/22** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP); **C22C 19/03** (2013.01 - EP)

C-Set (source: EP)

**B22F 2998/00** + **B22F 2303/01** + **B22F 2301/15**

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

DOCDB simple family (publication)

**EP 2559502 A1 20130220**; **EP 2559502 A4 20160420**; **EP 2559502 B1 20170628**; JP 2011219830 A 20111104; WO 2011129160 A1 20111020

DOCDB simple family (application)

**EP 11768681 A 20110225**; JP 2010091360 A 20100412; JP 2011055012 W 20110225