

Title (en)
COMPOSITE METAL ARTICLE AND METHOD FOR PREPARATION THEREOF

Title (de)
VERBUNDMETALLARTIKEL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
ARTICLE METALLIQUE COMPOSITE ET SON PROCEDE DE PREPARATION

Publication
EP 1806417 A1 20070711 (EN)

Application
EP 05790620 A 20051007

Priority
• JP 2005018606 W 20051007
• JP 2004307078 A 20041021

Abstract (en)
There is provided a production method of a composite metal article with carbon nanotubes dispersed in the composite metal article containing a metal which is difficult to provide modified metal particles by an electrolytic process. It is characterized in that when there is produced a composite metal article in which a first metal portion comprising a metal 12 and a second metal portion comprising a metal 12 are formed at random, carbon nanotubes are mixed in the above-mentioned second metal portion, using modified metal particles which are metal particles comprising the metal 12 and modified with the carbon nanotubes which partially protrude outward from the above-mentioned metal particles.

IPC 8 full level
C22C 1/00 (2006.01); **B22F 1/16** (2022.01)

CPC (source: EP US)
B22F 1/16 (2022.01 - EP US); **C22C 1/1036** (2013.01 - EP US); **C22C 47/14** (2013.01 - EP US); **C22C 49/14** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **C22C 2026/002** (2013.01 - EP US); **Y10T 428/1216** (2015.01 - EP US); **Y10T 428/12167** (2015.01 - EP US)

Citation (search report)
See references of WO 2006043431A1

Cited by
EP2511393A1; WO2020011583A1

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 1806417 A1 20070711; CN 1934281 A 20070321; JP 4390807 B2 20091224; JP WO2006043431 A1 20080522; US 2007190348 A1 20070816; WO 2006043431 A1 20060427

DOCDB simple family (application)
EP 05790620 A 20051007; CN 200580009443 A 20051007; JP 2005018606 W 20051007; JP 2006542324 A 20051007; US 59194105 A 20051007