

Title (en)

NITROGEN DOPED CARBON NANOTUBES WITH METAL NANOPARTICLES

Title (de)

STICKSTOFF-DOTIERTE KOHLENSTOFFNANORÖHRCHEN MIT METALL-NANOPARTIKELN

Title (fr)

NANOTUBES DE CARBONE DOPÉS À L'AZOTE ET DOTÉS DE NANOPARTICULES DE MÉTAL

Publication

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Application

EP 10787809 A 20101214

Priority

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Abstract (en)

[origin: WO2011080066A2] The invention relates to nitrogen-doped carbon nanotubes (NCNT), the surface of which is charged with metal nanoparticles, and to a method for the production thereof and use thereof as a catalyst.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (examination)

- A. Z. SADEK ET AL: "Uniformly Dispersed Pt-Ni Nanoparticles on Nitrogen-Doped Carbon Nanotubes for Hydrogen Sensing", JOURNAL OF PHYSICAL CHEMISTRY C, vol. 114, no. 1, 11 December 2009 (2009-12-11), pages 238 - 242, XP055137054, ISSN: 1932-7447, DOI: 10.1021/jp908945x
- HONG CHEN ET AL: "Synergism of C 5 N Six-Membered Ring and Vapor-Liquid-Solid Growth of CN x Nanotubes with Pyridine Precursor", THE JOURNAL OF PHYSICAL CHEMISTRY B, vol. 110, no. 33, 1 August 2006 (2006-08-01), pages 16422 - 16427, XP055137044, ISSN: 1520-6106, DOI: 10.1021/jp062216e
- See also references of WO 2011080066A2

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