

Title (en)

HIGH YIELD VAPOR PHASE DEPOSITION METHOD FOR LARGE SCALE SINGLE WALLED CARBON NANOTUBE PREPARATION

Title (de)

HOCHLEISTUNGS-GASPHASEN-DAMPFABSCHIEDUNGSVERFAHREN ZUR HERSTELLUNG VON GROSSFORMATIGEN EINWANDIGEN NANORÖHREN

Title (fr)

PROCEDE DE DEPOT EN PHASE VAPEUR A HAUT RENDEMENT POUR LA PREPARATION A GRANDE ECHELLE DE NANOTUBES DE CARBONE A PAROI SIMPLE

Publication

EP 1252360 A2 20021030 (EN)

Application

EP 01926332 A 20010105

Priority

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- US 17487400 P 20000107

Abstract (en)

[origin: WO0149599A2] An improved vapor phase deposition method for preparation of single walled carbon nanotubes on an aerogel supported metal catalyst. The total yield of SWCNTs often is at least about 100 %, based the weight of the catalyst, for a reaction time of at least about 30 minutes.

IPC 1-7

C23C 16/00

IPC 8 full level

B01J 23/88 (2006.01); **B01J 23/89** (2006.01); **B01J 32/00** (2006.01); **B01J 35/10** (2006.01); **B01J 37/32** (2006.01); **C01B 31/02** (2006.01); **C23C 16/00** (2006.01)

CPC (source: EP KR)

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