

Title (en)  
METHOD FOR PREPARING CARBON FIBRILS AND/OR NANOTUBES FROM A CARBON SOURCE INTEGRATED IN THE CATALYST

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON KOHLENSTOFFFIBRILLEN UND/ODER -NANORÖHRCHEN AUS EINER KATALYSATORINTEGRIERTEN KOHLENSTOFFQUELLE

Title (fr)  
PROCEDE DE PREPARATION DE FIBRILLES ET/OU NANOTUBES DE CARBONE A PARTIR D'UNE SOURCE DE CARBONE INTEGREE AU CATALYSEUR

Publication  
**EP 2097168 A2 20090909 (FR)**

Application  
**EP 07871964 A 20071218**

Priority

- FR 2007052550 W 20071218
- FR 0655594 A 20061218
- US 87880607 P 20070105

Abstract (en)  
[origin: FR2909989A1] Catalyst material (I) for the production of multi-shell carbon fibrils and nanotubes (II), comprises one or more multivalent transition metals and a solid organic substrate. Independent claims are also included for (1) a method (M1) for the production of (I) by bringing an organic substrate into contact with a solution of transition metal salt(s), preferably under a current of dry gas (2) a method (M2) for the production of multi-shell carbon fibrils and nanotubes (II) by (a) making catalyst material (I) as above with a BET surface of less than 200 (preferably 0.1-50) m<sup>2</sup>/g, (b) growing (II) by thermal decomposition of the organic substrate by heating (I) at 300-1200[deg] C in presence of gas containing at least 20% hydrogen, and then (c) cooling the product .

IPC 8 full level  
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CPC (source: EP US)  
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