

## Title (en)

METHODS OF MAKING CARBON NANOTUBE FILMS, LAYERS, FABRICS, RIBBONS, ELEMENTS AND ARTICLES

## Title (de)

VERFAHREN ZUR HERSTELLUNG VON KOHLENSTOFFNANORÖHREN ENTHALTENDEN FILMEN, SCHICHTEN, TEXTILEN FLÄCHENGEBILDEN, BÄNDERN, ELEMENTEN UND GEGENSTÄNDEN

## Title (fr)

PROCEDES DE FABRICATION DE FILMS, COUCHES, TISSUS, RUBANS, ELEMENTS ET ARTICLES DE NANOTUBES DE CARBONE

## Publication

**EP 1590498 A4 20080116 (EN)**

## Application

**EP 03815470 A 20030113**

## Priority

US 0300846 W 20030113

## Abstract (en)

[origin: WO2004065657A1] Methods of Making Carbon Nanotube Films, Layers, Fabrics, Ribbons, Elements and articles are disclosed. Carbon nanotube growth catalyst (350) is applied on to a surface of a substrate. The substrate is subjected to a chemical vapor deposition (370) of a carbon-containing gas to grow a non-woven fabric of carbon nanotubes. Portions of the non-woven fabric are selectively removed according to a defined pattern to create the article. A non-woven fabric of carbon nanotubes may be made by applying carbon nanotube growth catalyst (350) on to a surface of a water substrate to create a dispersed monolayer of catalyst. The substrate is subjected to a chemical vapor deposition (370) of carbon-containing gas to grow a non-woven fabric of carbon nanotubes in contact and covering the surface of the water and in which the fabric is substantially uniform density.

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## Citation (search report)

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- See references of WO 2004065657A1

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