

Title (en)

STRAND-LIKE MATERIAL COMPOSITE WITH CNT YARNS AND METHOD FOR THE MANUFACTURE THEREOF

Title (de)

STRANGFÖRMIGER MATERIALVERBUND MIT CNT-GARNEN UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

MATÉRIAU COMPOSITE EN FORME DE BARRE CONTENANT DES FILS CNT ET PROCÉDÉ DE FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO2009109485A1] The object of the invention is a strand-like material composite (21) comprising CNT yarns (23) that are embedded in a metal matrix (25). The embedding in a common matrix (25) has the advantage in that the material composite exhibits an improved electrical conductivity. This lies in the ability for electrons to switch from the CNT (23) to the matrix (25) and back again. The strand-like material composite is therefore suitable for use as an electrical conductor. Further claimed for patent protection is a method for producing the strand-like material composite.

IPC 8 full level

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Citation (search report)

See references of WO 2009109485A1

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DOCDB simple family (application)

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