

Title (en)

CONDUCTIVE CARBON NANOTUBE-SILVER COMPOSITE INK COMPOSITION

Title (de)

LEITFÄHIGE KOHLENSTOFFNANORÖHRCHEN-SILBERVERBUNDINTENZUSAMMENSETZUNG

Title (fr)

COMPOSITION D'ENCRE CONDUCTRICE À BASE D'UN COMPOSITE NANOTUBE DE CARBONE-ARGENT

Publication

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Application

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Abstract (en)

[origin: WO2022174244A1] The present invention is directed to an ink composition comprising: (a) silver (Ag)-metallized carbon nanotubes (CNTs) comprising CNTs and silver nanoparticles covalently bound to the CNTs, (b) silver particles, and (c) solvent. The present ink composition produces printed components with good thermoform elongation and high electrical conductivity, without the presence of polymeric organic binders. The present invention is also directed to a method for preparing Ag-metallized CNTs, and a method for preparing an ink comprising Ag-metallized CNTs.

IPC 8 full level

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Citation (search report)

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