

Title (en)

ELECTRIC CONTACT COMPRISING A METAL-GRAPHENE COMPOSITE LAYER

Title (de)

ELEKTRISCHER KONTAKT MIT EINER METALL-GRAPHEN-VERBUNDSCHICHT

Title (fr)

CONTACT ÉLECTRIQUE COMPRENANT UNE COUCHE COMPOSITE MÉTAL-GRAPHÈNE

Publication

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Application

EP 20197503 A 20200922

Priority

EP 20197503 A 20200922

Abstract (en)

The invention relates to an electric contact configured to repeatedly closing and opening a conducting path by breaking and connecting an electrical circuit. The electric contact comprises a metal-graphene composite layer in which functionalized graphene is dispersed in a matrix of the metal, wherein the functionalized graphene is present in an amount within the range of from 0.05 wt% to 3 wt%.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] WO 2018189146 A1 20181018 - ABB SCHWEIZ AG [CH]
- [X] CN 110484803 A 20191122 - UNIV HENAN SCIENCE & TECH

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