

Title (en)

Carbon fiber electrical contacts formed of composite carbon fiber material

Title (de)

Elektrische Kohlenstoffaserkontakte aus Kohlenstofffaserverbundmaterial

Title (fr)

Contacts électriques en fibre de carbone formés avec du matériel en fibre de carbone composite

Publication

EP 1432085 B1 20080917 (EN)

Application

EP 02394117 A 20021219

Priority

EP 02394117 A 20021219

Abstract (en)

[origin: EP1432085A1] A nonmetallic electrical contact or wiper composed of a composite carbon fiber material through which an electrical signal is transmitted. Carbon fibers can be fused or conductively bonded together and used to form a main signal conductor. A mat formed of nonwoven carbon fibers is arranged on each flat surface of the bonded carbon fibers and then a thermoplastic resin layer is applied over each nonwoven mat. The nonwoven carbon fiber mat also conducts the electrical signal and provides increased mechanical stability to an electrical contact or wiper formed of the composite carbon fiber material. <IMAGE>

IPC 8 full level

H01R 39/24 (2006.01)

CPC (source: EP)

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Cited by

DE102014222265A1; DE102014222265B4; US10660188B2; WO2014099566A1

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