

Title (en)

COMPOSITE COPPER-BASED MATERIAL FOR ELECTRIC CONTACTS UNDER HEAVY STRESS, METHOD OF MANUFACTURING THIS MATERIAL AND ELECTRIC CONTACTS MADE THEREFROM

Publication

EP 0349515 A3 19901205 (FR)

Application

EP 89870101 A 19890623

Priority

BE 8800753 A 19880629

Abstract (en)

[origin: EP0349515A2] Composite copper-based material for electric contacts under heavy stress, containing at least one reinforcing component dispersed in the copper matrix. This reinforcing component comprises one or more oxides which are stable with regard to copper, such as Al₂O₃ and Y₂O₃, which preferably form a stiffening dispersion in the copper matrix. The reinforcing component can also comprise short fibres consisting of substances which are stable with regard to copper, such as Al₂O₃ and SiC. The oxide content lies between 1 % and 10 % by volume; the proportion of the said short fibres lies between 5 % and 25 % by volume.

IPC 1-7

H01H 1/02; **H01H 11/04**

IPC 8 full level

H01H 1/025 (2006.01)

CPC (source: EP)

H01H 1/025 (2013.01)

Citation (search report)

- [X] DE 1937088 A1 19700409 - JURCA DIPL ING STANE, et al
- [X] DE 3336696 A1 19840426 - WESTINGHOUSE ELECTRIC CORP [US]
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- [X] US 4008081 A 19770215 - HUNDSTAD RICHARD L
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Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0349515 A2 19900103; **EP 0349515 A3 19901205**; BE 1002075 A6 19900619

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