

Title (en)
USE OF AN ELECTRICAL CONTACT MATERIAL FOR BLOWING AN ELECTRIC ARC

Title (de)
VERWENDUNG EINES ELEKTRISCHEN KONTAKTMATERIALS ZUM BLASEN EINES ELEKTRISCHEN BOGENS

Title (fr)
UTILISATION D'UN MATERIAU DE CONTACT ELECTRIQUE POUR SOUFFLER UN ARC ELECTRIQUE

Publication
EP 2297757 B1 20120208 (FR)

Application
EP 09749760 A 20090514

Priority

- EP 2009055879 W 20090514
- EP 08156731 A 20080522
- EP 09749760 A 20090514

Abstract (en)
[origin: EP2124236A1] The material has an array of conductor metal and non-magnetized magnetic entities, where the entities are magnetized with an average orientation defined by a direction of a magnetic field applied on the material for blowing an electrical arc between electrical contact studs. Each electrical contact stud has an upper layer that comprises material such as silver or copper, or stable refractory compound. The magnetic entities are rare earth based hard magnetic compounds such as nanostructured alloy of neodymium/praseodymium, iron and boron. An independent claim is also included for a method for fabricating an electrical contact stud.

IPC 8 full level
H01H 9/44 (2006.01)

CPC (source: EP US)
H01H 9/446 (2013.01 - EP US); **H01H 1/0094** (2013.01 - EP US); **H01H 1/02372** (2013.01 - EP US); **Y10T 29/49124** (2015.01 - EP US)

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