

Title (en)
COMPONENT WITH A LAYER INTO WHICH CNT (CARBON NANOTUBES) ARE INCORPORATED AND A METHOD FOR THE MANUFACTURE OF SAID COMPONENT

Title (de)
BAUTEIL MIT EINER SCHICHT, IN DIE CNT (CARBON NANOTUBES) EINGEBAUT SIND UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
COMPOSANT PRÉSENTANT UNE COUCHE DANS LAQUELLE SONT INCORPORÉS DES CNT (NANOTUBES DE CARBONE), ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 2294656 A1 20110316 (DE)

Application
EP 09769235 A 20090623

Priority
• EP 2009057788 W 20090623
• DE 102008030988 A 20080627

Abstract (en)
[origin: CA2729310A1] The invention relates to a component (11) with a layer (12) with CNT (13) incorporated into the grains thereof. According to the invention, particles (14) of a dry lubricant are also embedded into the layer. This provides advantageous optimization of the layer with regard to the wear characteristics thereof, wherein the layer is particularly suited for electrical contact surfaces (15) due to the embedded CNT. Further protected under patent is a method for electrochemically producing the layer (12) in which preferably ionic fluids are used as an electrolyte.

IPC 8 full level
H01R 13/03 (2006.01); **C25D 3/66** (2006.01); **C25D 7/00** (2006.01); **C25D 15/02** (2006.01)

CPC (source: EP US)
C25D 3/665 (2013.01 - EP US); **C25D 7/00** (2013.01 - EP US); **C25D 15/02** (2013.01 - EP US); **H01R 13/03** (2013.01 - EP US); **H01H 1/027** (2013.01 - EP US); **H01H 2300/036** (2013.01 - EP US)

Citation (search report)
See references of WO 2009156386A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008030988 A1 20091231; **DE 102008030988 B4 20100401**; CA 2729310 A1 20091230; CN 102077423 A 20110525; EP 2294656 A1 20110316; JP 2011527487 A 20111027; US 2011100825 A1 20110505; WO 2009156386 A1 20091230

DOCDB simple family (application)
DE 102008030988 A 20080627; CA 2729310 A 20090623; CN 200980124341 A 20090623; EP 09769235 A 20090623; EP 2009057788 W 20090623; JP 2011515348 A 20090623; US 200913000684 A 20090623