

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

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Application  
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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.

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