

Title (en)

PLASMA-DEPOSITED ELECTRICALLY INSULATING, DIFFUSION-RESISTANT AND ELASTIC LAYER SYSTEM

Title (de)

PLASMADEPONIERTES ELEKTRISCH ISOLIERENDES, DIFFUSIONSDICHTES UND ELASTISCHES SCHICHTSYSTEM

Title (fr)

SYSTÈME STRATIFIÉ ÉLASTIQUE, ÉTANCHE À LA DIFFUSION, ÉLECTRIQUEMENT ISOLANT ET DÉPOSÉ PAR PLASMA

Publication

EP 2137337 A2 20091230 (DE)

Application

EP 08707792 A 20080222

Priority

- EP 2008001388 W 20080222
- DE 102007008861 A 20070223

Abstract (en)

[origin: WO2008101704A2] A multilayer system on a substrate, the multilayer system being applied to the substrate by plasma deposition, characterized in that the multilayer system is configured such that it has substantial diffusion resistance to ions in an aqueous solution, wherein the current produced by the diffusion of the ions with the connection of an electric field gradient of more than 10^{4} V/m, preferably more than 10^{5} V/m, most preferred more than 10^{7} V/m is $I_{\text{ion}} < 6,5 \times 10^{-8}$ A/cm², preferably $I_{\text{ion}} < 6,5 \times 10^{-10}$ A/cm², particularly $I_{\text{ion}} < 1 \times 10^{-12}$ A/cm².

IPC 8 full level

C23C 16/26 (2006.01); **A61N 1/375** (2006.01); **B05D 7/24** (2006.01); **C23C 16/40** (2006.01); **H01L 51/52** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2008101704A2

Designated contracting state (EPC)

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