Title (en)

PLASMA DEPOSITED BARRIER COATING COMPRISING AN INTERFACE LAYER, METHOD FOR OBTAINING SAME AND CONTAINER COATED THEREWITH

Title (de)

DURCH PLASMA ABGESCHIEDENE SPERRBESCHICHTUNG MIT EINER GRENZFLÄCHENSCHICHT, VERFAHREN ZUR HERSTELLUNG DERSELBEN UND SO BESCHICHTETEN BEHÄLTER

Title (fr)

REVETEMENT BARRIERE DEPOSE PAR PLASMA COMPRENANT UNE COUCHE D'INTERFACE, PROCEDE D'OBTENTION D'UN TEL REVETEMENT ET RECIPIENT AINSI REVETU

Publication

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Application

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Abstract (en)

[origin: WO0209891A1] The invention concerns in particular a method using a low pressure plasma for depositing a barrier coating on a substrate to be treated, wherein the plasma is obtained by partial ionisation, under the action of an electromagnetic field, of a reaction fluid injected under low pressure in a treating zone. The method is characterised in that it comprises at least a step which consists in depositing on the substrate an interface layer which is obtained by bringing to plasma state a mixture comprising at least an organosilicon compound and a nitrogenous compound, and a step which consists in depositing, on the interface layer, a barrier layer, essentially consisting of a silicon oxide of formula SiOx.

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CPC (source: EP KR US)

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