

Title (en)

METHOD AND DEVICE FOR GENERATING AN ACTIVATED GAS CURTAIN FOR SURFACE TREATMENT

Title (de)

VERFAHREN UND EINRICHTUNG ZUR ERZEUGUNG EINES VORHANGS AUS AKTIVIERTEM GAS FÜR DIE OBERFLÄCHENBEHANDLUNG

Title (fr)

PROCEDE ET DISPOSITIF DE GENERATION D'UN RIDEAU DE GAZ ACTIVE POUR TRAITEMENT DE SURFACE

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Application

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Priority

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- IB 0201482 W 20020503

Abstract (en)

[origin: WO02091809A2] The invention relates to a surface treatment device comprising: electrodes (24a, 24b) that are used to initiate an electric arc of stabilised plasma (14); a stabilising channel (12) which is disposed in a body (10) in order to confine the electric arc of stabilised plasma; conduits (38, 39) which are disposed in the body and used to introduce a treatment gas Q1, uniformly distributed along the arc, upstream of the arc in a direction that is essentially perpendicular to axis A of said arc in such a way as to form an activated gas curtain (8); means for introducing a complementary treatment gas Q2 downstream of the electric arc; and a support (28) that is used to hold the object or material to be treated in place and to position the object or material surface to be treated in relation to the body (10).

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IPC 8 full level

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