Title (en)

METHOD AND DEVICE FOR COATING AN INNER SURFACE OF A HOLLOW ENDLESS GEOMETRY, IN PARTICULAR OF A PIPE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BESCHICHTEN EINER INNENFLAECHE EINER HOHLEN ENDLOSGEOMETRIE, INSBESONDERE EINES ROHRES

Title (fr)

PROCEDE ET DISPOSITIF D'ENDUCTION D'UNE SURFACE INTERNE DE GEOMETRIE CREUSE ET CONTINUE, NOTAMMENT UN TUYAU

Publication

EP 1994198 A1 20081126 (DE)

Application

EP 07726866 A 20070313

Priority

- EP 2007052365 W 20070313
- DE 102006012021 A 20060314

Abstract (en)

[origin: WO2007104765A1] The invention relates to a method and a device for coating an inner surface of a hollow endless geometry, in particular of a pipe (2), wherein the technical problem of providing a method and a device for coating an inner surface of a hollow endless geometry, in particular of a pipe, which can be used for a greater variety of cross sections is solved by a method and a device in which a gas mixture comprising at least one precursor is introduced into the endless geometry, in which the endless geometry is passed through at least one electrode unit (6), in which an alternating electric voltage is applied to the electrode unit (6), in which the gas mixture inside the endless geometry is at least partially transformed into a plasma state in the region of the electrode unit (6), in which a reaction product is produced in the gas mixture from the precursor by the plasma and in which the reaction product is deposited on the inner surface of the endless geometry.

IPC 8 full level

C23C 16/04 (2006.01)

CPC (source: EP US)

C23C 16/045 (2013.01 - EP US); **C23C 16/545** (2013.01 - EP US)

Citation (search report)

See references of WO 2007104765A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006012021 A1 20070920; CA 2645621 A1 20080911; EP 1994198 A1 20081126; MX 2008011215 A 20080911; US 2009092763 A1 20090409; WO 2007104765 A1 20070920

DOCDB simple family (application)

DE 102006012021 A 20060314; CA 2645621 A 20070313; EP 07726866 A 20070313; EP 2007052365 W 20070313; MX 2008011215 A 20070313; US 28241307 A 20070313