

Title (en)

DEVICE AND METHOD FOR GENERATING A PULSED ANISOTHERMAL ATMOSPHERIC PRESSURE PLASMA

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG EINES GEPULSTEN ANISOTHERMEN ATMOSPHÄRENDRUCK-PLASMAS

Title (fr)

DISPOSITIF ET PROCÉDÉ SERVANT À PRODUIRE UN PLASMA PULSÉ ANISOTHERME SOUS PRESSION ATMOSPHÉRIQUE

Publication

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Application

**EP 10805398 A 20101127**

Priority

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Abstract (en)

[origin: WO2011063798A2] The invention relates to a device and a method for generating a pulsed (intermittent), cold, atmospheric pressure plasma, preferably a thread, for precise antimicrobial plasma treatment (antiseptis, disinfection, sterilization, decontamination) of very small surfaces and cavities, including on living human and animal bodies, preferably in the field of medicine, by means of a negative direct-current corona discharge, the device comprising at least one electrode for generating high field strengths, through or around which electrode the gas to be ionized flows in a gas channel, wherein the electrically conductive structure (surface, cavity) to be treated is used as the counter-electrode. Said plasma can also be used in general for cleaning, coating, activating, and etching surfaces.

IPC 8 full level

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Citation (search report)

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DOCDB simple family (publication)

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