

Title (en)

MOLECULAR PLASMA DEPOSITION OF COLLOIDAL MATERIALS

Title (de)

MOLEKULARE PLASMAABSCHIEDUNG VON KOLLOIDALEN MATERIALIEN

Title (fr)

DÉPÔT PAR PLASMA MOLÉCULAIRE DE MATÉRIELS COLLOÏDAUX

Publication

**EP 1993627 A4 20121010 (EN)**

Application

**EP 07748926 A 20070116**

Priority

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- US 77710406 P 20060227

Abstract (en)

[origin: WO2007106212A1] A molecular plasma discharge deposition method for depositing colloidal suspensions of biomaterials such as amino acids or other carbon based substances onto metal or nonmetal surfaces without loss of biological activity and/or structure is described. The method is based on generating a charged corona plasma which is then introduced into a vacuum chamber to deposit the biomaterial onto a biased substrate. The deposited biomaterials can be selected for a variety of medical uses, including coated implants for in

IPC 8 full level

**A61L 27/54** (2006.01)

CPC (source: EP)

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Citation (search report)

- [X1] WO 2004059027 A2 20040715 - IONIC PLASMA CORP [US], et al
- [XA] WO 2005110626 A2 20051124 - DOW CORNING IRELAND LTD [IE], et al
- [XP] WO 2006109055 A2 20061019 - UNIV DURHAM [GB], et al
- See references of WO 2007106212A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**US 2007001103 W 20070116**; CN 200780006725 A 20070116; EP 07748926 A 20070116; IL 19346308 A 20080814; JP 2008556315 A 20070116; MX 2008010696 A 20070116