

Title (en)
PLASMA COATING DEVICE AND METHOD

Title (de)
VORRICHTUNG UND VERFAHREN ZUR PLASMA BESCHICHTUNG

Title (fr)
DISPOSITIF ET PROCEDE DE REVETEMENT PAR JET DE PLASMA

Publication
EP 1872637 A1 20080102 (DE)

Application
EP 06722775 A 20060411

Priority
• DE 2006000638 W 20060411
• DE 102005016582 A 20050411

Abstract (en)
[origin: WO2006108395A1] Disclosed are a device and a method for plasma coating parts having a large volume. The inventive device comprises a vacuum chamber (3) with one or several pumps, a mechanism (2) for conveying the part (1, 17) into the vacuum chamber (3), an insulation (4) between the part (1, 17) and the vacuum chamber (3), an oscillating circuit with a high-frequency generator (5), an adjustable capacitor and an adjustable inductor of the oscillating circuit, at least one connection for connecting the oscillating circuit to the part (1), and at least one plasma torch (19) that is joined to the vacuum chamber (3) and is used for processing a coating material for the part (1, 17).

IPC 8 full level
B05B 7/22 (2006.01); **C23C 4/12** (2006.01); **H05H 1/42** (2006.01)

CPC (source: EP US)
B05B 7/226 (2013.01 - EP US); **H05H 1/42** (2013.01 - EP US)

Citation (search report)
See references of WO 2006108395A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006108395 A1 20061019; CN 101156504 A 20080402; CN 101156504 B 20120718; DE 112006001571 A5 20080327;
EP 1872637 A1 20080102; EP 1872637 B1 20140507; JP 2008538797 A 20081106; JP 5305900 B2 20131002; US 2009123662 A1 20090514

DOCDB simple family (application)
DE 2006000638 W 20060411; CN 200680011765 A 20060411; DE 112006001571 T 20060411; EP 06722775 A 20060411;
JP 2008505728 A 20060411; US 91818706 A 20060411