

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  
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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  
**H05H 1/42** (2006.01); **B05B 7/22** (2006.01); **C23C 4/12** (2006.01)

CPC (source: EP US)  
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