

Title (en)
Device for physical waste treatment

Title (de)
Vorrichtung zur physikalischen Behandlung von Abfällen

Title (fr)
Dispositif pour le traitement physique de déchets

Publication
EP 2388068 B1 20140820 (EN)

Application
EP 10189542 A 20101101

Priority
CZ 201022733 U 20100519

Abstract (en)
[origin: EP2388068A2] The device for physical waste treatment consists of the grounded Faraday cage placed in a transparent box with a transparent wall opening in which the carrier bridge (9) generators (1,2,3,4,5) of the force fields are placed, at the bottom of the box is the loosely placed stool of an electrically non-conductive material with very high ohmic resistances, which the plastic container (6) lies on for the insertion of the sample (7) for the exposure, while the bottom of the container is made of a thick layer of plastic with a very high ohmic resistance and which is loosely placed on the electrically conductive metal mesh (10) that is connected through an electric wire (12b) with an electrostatic field generator (5) of cold plasma. Above the tank is an electrically conductive metal mesh (11) of the upper plate of the electrostatic field of cold plasma, which is also associated with high voltage electric wire (12a) with the cold plasma generator (5) which is either embedded in the sample or freely suspended above the sample. Carrier bridge (9) is equipped with an electric drive with the possibility of adjusting the speed of movement in two stages.

IPC 8 full level
B01J 19/08 (2006.01); **A62D 3/10** (2007.01); **B09B 3/00** (2022.01); **C02F 11/00** (2006.01); **H05H 1/02** (2006.01); **H05H 1/46** (2006.01); **H05H 1/48** (2006.01)

CPC (source: EP US)
H05H 1/46 (2013.01 - EP); **H05H 1/48** (2013.01 - EP US); **H05H 2240/20** (2013.01 - EP)

Citation (examination)
CHOI K-S ET AL: "PLASMA ETCHING OF COPPER FILMS USING ULTRA VIOLET RADIATION", EXTENDED ABSTRACTS OF THE INTERNATIONAL CONFERENCE ON SOLIDSTATE DEVICES AND MATERIALS, JAPAN SOCIETY OF APPLIED PHYSICS. TOKYO, JA, 1 September 1997 (1997-09-01), pages 300 - 301, XP000728124

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EP 2388068 A2 20111123; **EP 2388068 A3 20130619**; **EP 2388068 B1 20140820**; CZ 21084 U1 20100702

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