

Title (en)

DEVICE AND METHOD FOR PRODUCING HIGH POWER MICROWAVE PLASMA

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG VON MIKROWELLENPLASMEN HOHER LEISTUNG

Title (fr)

DISPOSITIF ET PROCEDE POUR PRODUIRE DES PLASMAS DE MICRO-ONDES DE FORTE PUISSANCE

Publication

EP 2080214 A1 20090722 (DE)

Application

EP 07818909 A 20071011

Priority

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- DE 102006048815 A 20061016

Abstract (en)

[origin: CA2666117A1] The invention relates to a device for producing high power microwave plasma. Said device comprises at least one microwave supply (1, 2, 4) that is surrounded by at least one dielectric tube. A dielectric fluid flows through the area between the microwave supply and the outer dielectric tube, said dielectric fluid having a small dielectric loss factor $\tan \delta$ in the region of between 10^{-2} to 10^{-7} . At least the outer dielectric tube of the above mentioned device is cooled by a fluid.

IPC 8 full level

H01J 37/32 (2006.01)

CPC (source: EP US)

H01J 37/32192 (2013.01 - EP US); **H01J 37/3222** (2013.01 - EP US); **H01J 37/32522** (2013.01 - EP US)

Citation (search report)

See references of WO 2008046551A1

Citation (examination)

WO 9859359 A1 19981230 - SUNG SPITZL HILDEGARD [DE]

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