

Title (en)
Inductively coupled plasma generator

Title (de)
Induktiv gekoppelte Plasmaquelle

Title (fr)
Générateur de plasma à couplage inductif

Publication
EP 0568920 B1 19960327 (EN)

Application
EP 93106923 A 19930428

Priority
US 87967892 A 19920507

Abstract (en)
[origin: EP0568920A1] An inductively coupled plasma generator wherein actual power delivered to the load is measured and used to control output power. Means are provided for detecting generated RF voltage and current and multiplying these together to produce a continuous signal representative of actual RF power. Microprocessor means provides a signal representative of commanded power. These signals are compared to provide an error signal for controlling power delivered by the generator. Generator parameters are further monitored and plasma potential is maintained at zero potential with respect to ground to eliminate damage to the circuitry and instruments connected thereto. <IMAGE>

IPC 1-7
H05H 1/30; **H05H 1/36**

IPC 8 full level
G01N 21/73 (2006.01); **H01J 49/10** (2006.01); **H05H 1/00** (2006.01); **H05H 1/30** (2006.01); **H05H 1/36** (2006.01); **H05H 1/46** (2006.01)

CPC (source: EP)
H05H 1/36 (2013.01)

Cited by
US7314537B2; GB2479702B; EP0753876A3; CN104135812A; CN115728002A; US7755300B2; US6329757B1; US6740842B2; US9526161B2; WO2005031790A1; WO2015121186A1; WO2008054391A1; US8502455B2; US9648719B2; US7304438B2; US9774086B2

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