

Title (en)  
ELECTROSURGICAL GENERATOR

Title (de)  
ELEKTROCHIRURGISCHER GENERATOR

Title (fr)  
GENERATEUR ELECTROCHIRURGICAL

Publication  
**EP 1539009 A4 20060419 (EN)**

Application  
**EP 02807564 A 20020821**

Priority  
US 0226544 W 20020821

Abstract (en)  
[origin: WO2004030552A1] An electrosurgical generator (10) which provides a constant voltage and variable power output particularly suited for cutting arc formation at an active electrode which exhibits a dynamic active surface area of varying geometry. Essentially constant voltage-based control is achieved through the utilization of a d.c. link voltage the level of which functions to establish the amplitude of the output of an RF resonant inverter. A dual loop feedback control is described wherein output voltage based control signals are slowly introduced at low gain, while link voltage motor-based controls are comparatively rapidly applied. Enhanced development of a controlling d.c. link voltage is achieved through the utilization of an input network incorporating a power factor correction stage.

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**A61B 18/12**

IPC 8 full level  
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Citation (search report)  
• [X] US 2002019596 A1 20020214 - EGGERS PHILIP E [US], et al  
• [A] EP 1065981 A1 20010110 - GYRUS MEDICAL LTD [GB]  
• [A] US 6198642 B1 20010306 - KOCIECKI JOHN [US]  
• [A] US 4739759 A 19880426 - REXROTH FREDERICK W [US], et al  
• See references of WO 2004030552A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
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