

Title (en)

DEVICE FOR TREATING MATERIAL WITH THE AID OF HIGH-FREQUENCY ELECTROMAGNETIC RADIATION

Title (de)

EINRICHTUNG ZUR MATERIALBEHANDLUNG MIT HILFE HOCHFREQUENTER ELEKTROMAGNETISCHER STRAHLUNG

Title (fr)

DISPOSITIF POUR TRAITER UN MATERIAU AU MOYEN D'UN RAYONNEMENT ELECTROMAGNETIQUE HAUTE FREQUENCE

Publication

EP 1415509 A1 20040506 (EN)

Application

EP 02741507 A 20020422

Priority

- NL 0200260 W 20020422
- NL 1017894 A 20010420

Abstract (en)

[origin: WO02087286A1] The invention relates to a device for treating material with the aid of high-frequency electromagnetic radiation, comprising a generator (2) for generating the high-frequency electromagnetic radiation, and a treatment cavity. The treatment cavity is formed by a waveguide (1) and also forms the resonator, or tank circuit, of the generator (2). In this way, it is possible to create a very simple device with a very high output (up to more than 1 MW), which is nevertheless not sensitive to changes in the impedance of the material which is to be treated.

IPC 1-7

H05B 6/70

IPC 8 full level

H05B 6/52 (2006.01); **H05B 6/70** (2006.01)

CPC (source: EP)

H05B 6/52 (2013.01)

Citation (search report)

See references of WO 02087286A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02087286 A1 20021031; EP 1415509 A1 20040506; NL 1017894 C1 20021022

DOCDB simple family (application)

NL 0200260 W 20020422; EP 02741507 A 20020422; NL 1017894 A 20010420