

Title (en)

Device for treating articles by UHF energy.

Title (de)

Vorrichtung zur Behandlung von Gegenständen mit UHF-Energie.

Title (fr)

Dispositif de traitement d'objets par énergie UHF.

Publication

**EP 0375999 B1 19941207 (DE)**

Application

**EP 89122319 A 19891204**

Priority

DE 3843904 A 19881224

Abstract (en)

[origin: JPH02267886A] PURPOSE: To facilitate the maintenance and cleaning of a UHF energy processor which may be totally accessed from the top by hinging the upper portion of its process chamber including a UHF introducing means so as to be tilted or removed and separating wave director pipes made flexible communicating with the introducing means from each other. CONSTITUTION: A process chamber is partitioned over its whole length into six chambers 1, 2, 3, 2, 3 and 1, of which chambers 2 and 3 has the same configuration. An inlet partition sluice gate 1 is disposed on the inlet side of the process chamber so as to communicate with a process section 2 which in turn communicates with a temperature adjustment section 3. A process section 2 and a temperature adjustment section 3 are successively disposed again on the downstream side of the former section 3, and an outlet partition gate 4 is arranged likewise on an end section 1. Between the sections two dedicated covers 5 and 6 are arranged by means of hinges 7, and wave director pipes 8 each having two introduction portions are disposed inside the sections 2 and 5. The wave director pipe 8 has two elbows 10 communicating with a coupling part 11 at positions coaxial to with the coupling of the hinge 7 so as to be connected to another a UHF energy source 13 through another wave director pipe 12.

IPC 1-7

**H05B 6/78**

IPC 8 full level

**H05B 6/64** (2006.01); **H05B 6/78** (2006.01)

CPC (source: EP US)

**H05B 6/78** (2013.01 - EP US)

Designated contracting state (EPC)

BE CH ES FR GB LI SE

DOCDB simple family (publication)

**EP 0375999 A2 19900704; EP 0375999 A3 19910807; EP 0375999 B1 19941207**; DD 286415 A5 19910124; DE 3843904 A1 19900628; DE 3843904 C2 19901004; ES 2067522 T3 19950401; JP H02267886 A 19901101; US 5049362 A 19910917

DOCDB simple family (application)

**EP 89122319 A 19891204**; DD 33624089 A 19891222; DE 3843904 A 19881224; ES 89122319 T 19891204; JP 33617289 A 19891225; US 45474389 A 19891220