

Title (en)  
Oven for high temperature heat treatment

Title (de)  
Ofen zur Hochtemperatur-Wärmebehandlung

Title (fr)  
Four pour le traitement à haute température

Publication  
**EP 0851712 B1 20050126 (DE)**

Application  
**EP 97119140 A 19971103**

Priority  
DE 19654356 A 19961224

Abstract (en)  
[origin: EP0851712A2] The oven has an oven housing for accepting the material to be heat treated, a door, a microwave power source and a device for radiating the microwave energy into the interior of the oven. The oven housing has a microwave proof metal coating (12) with a microwave transmissive thermal insulation layer (11) inside it. The device for radiating the microwave energy contains at least one microwave slotted hollow conductor (7,8) in a corresp. opening (13) in the metal coating (12) with the slotted surface facing the interior of the oven.

IPC 1-7  
**H05B 6/80**; **H05B 6/70**

IPC 8 full level  
**F27B 17/00** (2006.01); **F27D 99/00** (2010.01); **H05B 6/70** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP)  
**F27B 17/0016** (2013.01); **F27D 99/0006** (2013.01); **H05B 6/80** (2013.01); **F27D 2099/0028** (2013.01); **H05B 2206/046** (2013.01)

Cited by  
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Designated contracting state (EPC)  
AT CH DE ES FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0851712 A2 19980701**; **EP 0851712 A3 19980916**; **EP 0851712 B1 20050126**; AT E288181 T1 20050215; DE 19654356 A1 19980625; DE 19654356 C2 20020613; DE 59712184 D1 20050303

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