

Title (en)

High frequency resonance or microwave applicator for the thermal treatment of flat continuously moving material.

Title (de)

Hochfrequenzresonanz oder Mikrowellenapplikator zur thermischen Behandlung von kontinuierlich bewegendem Bandmaterial.

Title (fr)

Applicateur résonnant haute-fréquence ou micro-onde pour traitement thermique de matériau plan en défilement continu.

Publication

**EP 0484210 B1 19940810 (FR)**

Application

**EP 91402846 A 19911024**

Priority

FR 9013629 A 19901025

Abstract (en)

[origin: EP0484210A1] The invention relates to a high-frequency resonance or microwave applicator for the thermal treatment of a flat material (4). This applicator comprises a flat capacitor between whose plates the material moves, and a self-inductor which consists of a metal strip (10) transversely prolonging the plate acting as hot electrode. <??>The internal face of the plate (2) acting as earth electrode is divided into elementary segments (19) by a set of longitudinal slots (7). Preferably the same is true in respect of the internal faces of the plate (3) acting as hot electrode and of the self-inductor. <IMAGE>

IPC 1-7

**H05B 6/54**; **H05B 6/60**

IPC 8 full level

**H05B 6/54** (2006.01); **H05B 6/60** (2006.01); **H05B 6/78** (2006.01)

CPC (source: EP US)

**H05B 6/54** (2013.01 - EP US); **H05B 6/60** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE FR GB IT LU

DOCDB simple family (publication)

**EP 0484210 A1 19920506**; **EP 0484210 B1 19940810**; DE 69103374 D1 19940915; DE 69103374 T2 19950309; FR 2668673 A1 19920430; FR 2668673 B1 19960823; JP 3213998 B2 20011002; JP H0737685 A 19950207; US 5175406 A 19921229

DOCDB simple family (application)

**EP 91402846 A 19911024**; DE 69103374 T 19911024; FR 9013629 A 19901025; JP 30521691 A 19911024; US 78176491 A 19911023