

Title (en)  
Device for wood treatment

Title (de)  
Vorrichtung zur Behandlung von Holz

Title (fr)  
Dispositif pour le traitement du bois

Publication  
**EP 1396695 A2 20040310 (EN)**

Application  
**EP 03076910 A 20030618**

Priority  
IT PN20020045 A 20020620

Abstract (en)  
A device for drying of cold water paint on wood elements includes an environment (8) where the elements are placed in a microwave furnace with magnetrons, fitted to emit radiations in the spectrum of (2400-2500) MHz. with a radiation power comprised in a range of (4,746-11,074) kW/m<sup>2</sup>. The internal environment of the device includes two attenuation chambers (7,9) and a treatment chamber (8); there are two fans (24,25) to breathe in air inside and to expel it.

IPC 1-7  
**F26B 3/347**

IPC 8 full level  
**F26B 3/347** (2006.01); **F26B 3/34** (2006.01); **F26B 15/18** (2006.01)

CPC (source: EP)  
**F26B 3/343** (2013.01); **F26B 3/347** (2013.01); **F26B 15/18** (2013.01); **F26B 2210/16** (2013.01)

Citation (applicant)  
US 3872603 A 19750325 - WILLIAMS NORMAN H, et al

Cited by  
CN106802068A; CN101893377A; ITVI20090025A1; US7913417B2; CN106017036A; CN109046897A; CN111251394A; CN103162519A; CN109489395A; WO2006056175A1; WO2012143048A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1396695 A2 20040310**; **EP 1396695 A3 20060607**; **EP 1396695 B1 20130102**; IT PN20020045 A1 20031222

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**EP 03076910 A 20030618**; IT PN20020045 A 20020620