

Title (en)

Microwave system for the treatment of wood-destroying insects

Title (de)

Mikrowellenbehandlungssystem zur Vernichtung von Insekten auf Bäumen oder in geschnittenem Holz

Title (fr)

Dispositif micro-onde appliqué au traitement insecticide d'arbres sur pied et de bois coupé

Publication

EP 1677386 A1 20060705 (FR)

Application

EP 04293159 A 20041229

Priority

EP 04293159 A 20041229

Abstract (en)

The device has a radiating panel (6) constituted by identical PIFA type antennas. A magnetron (1) operating at the frequency of 2450 Megahertz and 1 to 2 kilowatt power, supplies power to the panel. The panel creates a uniform energy distribution in a beam that is less divergent to small distance of less than 1 meter and on a section of 20x20 square centimeter of the beam.

IPC 8 full level

H01Q 9/04 (2006.01); **A01M 1/22** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP)

H01Q 9/0421 (2013.01); **H01Q 21/065** (2013.01); **H01Q 21/28** (2013.01)

Citation (search report)

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- [X] EP 1374676 A2 20040102 - HOFMANN SILVIA [DE], et al
- [X] DE 3405009 A1 19850814 - SIMMBERG MANFRED
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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