

Title (en)

Arrangement and method for heating a medium by microwave radiation

Title (de)

Anordnung und Verfahren zur Erwärmung eines Mediums mittels Mikrowellenstrahlung

Title (fr)

Agencement et procédé de réchauffement d'un milieu à l'aide d'un rayonnement à micro-ondes

Publication

**EP 2621246 B1 20160120 (DE)**

Application

**EP 13152019 A 20130121**

Priority

DE 102012100591 A 20120124

Abstract (en)

[origin: EP2621246A1] The arrangement has two radiation sources (5) each with individually controllable power amplifier (5.1) which amplifies signal generated by a generator (2) and has microwave frequency. A unit is provided for radiating the amplified signal as a microwave radiation (11) into a working chamber (7). The generator stands in signaling connection with all the power amplifiers so that signal generated by the generator is applied to all the power amplifiers. The generator is tuned over a range of a predetermined frequency sector within the microwave frequency range. An independent claim is included for a method for heating a medium by microwave radiation.

IPC 8 full level

**H05B 6/68** (2006.01)

CPC (source: EP KR)

**H05B 6/64** (2013.01 - KR); **H05B 6/686** (2013.01 - EP); **H05B 2206/044** (2013.01 - EP)

Cited by

US11617239B2; WO2018234295A1; EP3120665B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2621246 A1 20130731**; **EP 2621246 B1 20160120**; DE 102012100591 A1 20130725; ES 2566605 T3 20160414; KR 20130086316 A 20130801; PL 2621246 T3 20160930

DOCDB simple family (application)

**EP 13152019 A 20130121**; DE 102012100591 A 20120124; ES 13152019 T 20130121; KR 20130007590 A 20130123; PL 13152019 T 20130121