

Title (en)

Microwave reactor for heating a medium with the assistance of microwaves

Title (de)

Mikrowellenreaktor zur mikrowellenunterstützten Erwärmung eines Mediums

Title (fr)

Réacteur à micro-ondes pour le réchauffement assisté par micro-ondes d'un milieu

Publication

**EP 2544509 B1 20160120 (DE)**

Application

**EP 12175027 A 20120704**

Priority

DE 102011051542 A 20110704

Abstract (en)

[origin: EP2544509A1] The reactor (1) has a housing (2) formed as a hollow cylinder (5), which is coaxially arranged around another hollow cylinder (4). Waveguides (7.1, 7.2) are provided with waveguide axes and coupling axes and arranged at the housing such that the coupling axes are uncoupled along microwaves from the waveguides, coupled into an inner space (3) and directed into an intermediate space (6) between the cylinders, and lie in a plane (10). The plane is vertical to a hollow cylinder axis (4.1).

IPC 8 full level

**H05B 6/70** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP)

**H05B 6/806** (2013.01)

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DOCDB simple family (publication)

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