

Title (en)

DEVICE FOR IRRADIATING MATERIALS WITH MICROWAVES

Title (de)

VORRICHTUNG ZUR MIKROWELLEN-BESTRAHLUNG VON MATERIALIEN

Title (fr)

DISPOSITIF D'EXPOSITION DE MATERIAUX A L'ACTION DES MICRO-ONDES

Publication

**EP 0565697 B1 19970326 (DE)**

Application

**EP 92923260 A 19921105**

Priority

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Abstract (en)

[origin: US5408074A] PCT No. PCT/EP92/02537 Sec. 371 Date Jul. 2, 1993 Sec. 102(e) Date Jul. 2, 1993 PCT Filed Nov. 5, 1992 PCT Pub. No. WO93/09647 PCT Pub. Date May 13, 1993. The invention relates to an arrangement for microwave radiation of materials, in particular of the starting materials for ceramic materials, alloys etc., having a conveying path that is defined at least in part by a trough or pipe arrangement, the wall of which has a specific microwave-absorption capacity, a resonator surrounding at least a length of the wall, and at least one generator for generating the microwave radiation. In order to enable adjustment of the heating and the radiation dosing of the microwave-treated materials independently of one another, it is proposed according to the invention that the wall of the trough or pipe arrangement (1; 9.1 to 9.3) has different microwave-absorption properties along its length.

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IPC 8 full level

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