

Title (en)

Microwave oven heating goods to be heated

Title (de)

Mikrowellenofen zum Aufheizen von Brenngut

Title (fr)

Four à micro-ondes destiné au chauffage de matières à chauffer

Publication

EP 1152641 A3 20031126 (DE)

Application

EP 01105940 A 20010309

Priority

DE 10021528 A 20000503

Abstract (en)

[origin: EP1152641A2] The oven has at least one microwave source and a hollow volume resonator (2) with a device for coupling a microwave field in and out of the resonator. At least one microwave susceptor element (10) at a defined distance from and alignment to the material to be heated (20) is heated by the microwaves and gives off heat to the material. The source and/or resonator is controlled to produce a strong microwave field at the material and/or susceptor.

IPC 1-7

H05B 6/64

IPC 8 full level

H05B 6/64 (2006.01)

CPC (source: EP)

H05B 6/6494 (2013.01)

Citation (search report)

- [XY] WO 9505058 A1 19950216 - EA TECH LTD [GB], et al
- [Y] GB 1233030 A 19710526
- [A] DE 19700140 A1 19980709 - GERO HOCHTEMPERATUROEFEN GMBH [DE]
- [A] DE 19633247 A1 19980219 - KARLSRUHE FORSCHZENT [DE]

Cited by

DE102008015483B4; EP3346801A1; DE102008015483A1; EP1775998A1; US10376343B2; US9878939B2; US10321980B2; US9764982B2; US10098716B2; US9757217B2; US10206761B2; US9776912B2; US10358380B2; US10131569B2; US10737972B2; US9695082B2; US10160687B2; US10470854B2; US10064708B2; US10227255B2; US9220576B2; US9918806B2; US10214443B2; US10457589B2; US10981823B2; US12006247B2; US9956146B2; US10136973B2; US11109949B2; US11369460B2; US11744685B2

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EP 1152641 A2 20011107; EP 1152641 A3 20031126; EP 1152641 B1 20060201; AT E317209 T1 20060215; DE 10021528 A1 20011122; DE 50108820 D1 20060413

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