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(71) Applicant: **Panasonic Corporation**
Kadoma-shi
Osaka 571-8501 (JP)

(72) Inventor: **Zougou, Kayoko**
Osaka-shi Osaka 540-6319 (JP)

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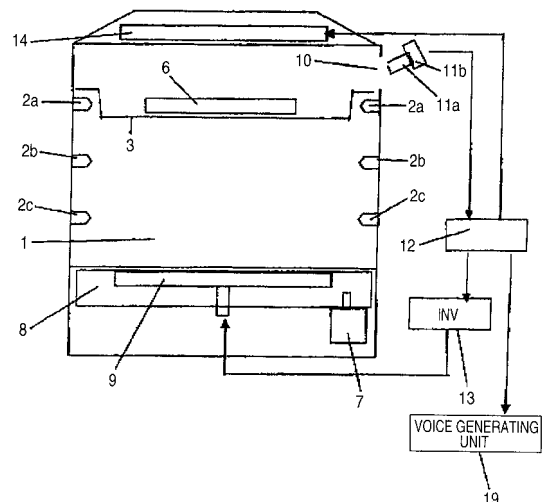
(74) Representative: **Grünecker, Kinkeldey, Stockmair & Schwanhäusser**
Leopoldstrasse 4
80802 München (DE)

(54) **High-frequency heating device**

(57) To provide a high-frequency heating device characterized by detecting temperatures at a plurality of temperature detecting points by temperature detecting means so that the presence/absence of a cooking dish may be decided from the plural temperatures detected.

The high-frequency heating device comprises: a heating chamber 1 for housing an object 6 to be heated; a cooking dish 3 having an electric wave heating member applied thereto for placing the object 6, a dish receiving shelf 2 for placing the cooking dish 3; temperature detecting means 8 for detecting the temperature of an object; heating means 7 for heating the object 6 and the cooking dish 3; and heating control means 12 for controlling a heating pattern and a heating time period. Temperature detecting means 11 detects the temperatures at a plurality of temperature detecting points, and decides the presence/absence of the cooking dish 3 from the temperatures detected.

FIG. 1



EP 1 811 814 A3



EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JP 2001 248840 A (MITSUBISHI ELECTRIC CORP) 14 September 2001 (2001-09-14) * claim 1; figures 1,16 * -----	1-7	INV. H05B6/68
			TECHNICAL FIELDS SEARCHED (IPC)
			H05B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 23 January 2013	Examiner Taccoen, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82