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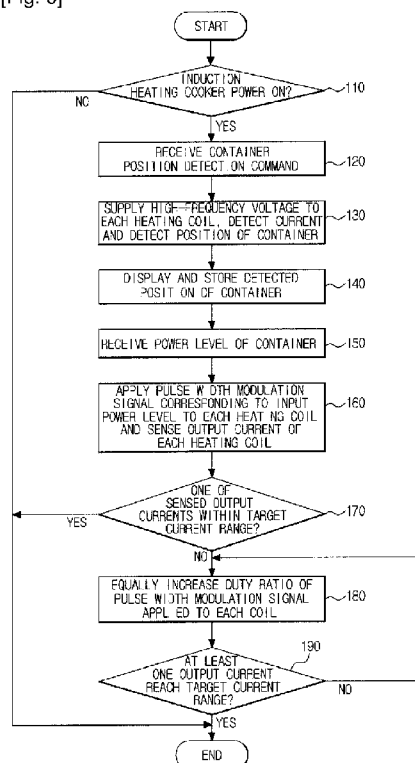
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(54) Title: CONTROL METHOD OF INDUCTION HEATING COOKER

[Fig. 6]



(57) Abstract: Disclosed herein is a control method of an induction heating cooker including detecting at least one heating coil occupied by a first container from among a plurality of heating coils, switching a plurality of inverter units so that a power level input by a user is applied to the detected at least one heating coil, determining, if the at least one heating coil occupied by the first container includes plural heating coils, whether or not output currents within a target output current range corresponding to the power level are present from among the output currents of the respective heating coils sensed by sensing units, and equally adjusting duty ratios of pulse width modulation signals applied to the inverter units of the respective heating coils until at least one of the output currents reaches the target output current range, if no output current within the target output current range is present.



(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

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PCT/KR2012/002140**A. CLASSIFICATION OF SUBJECT MATTER*****H05B 6/06(2006.01)i, H05B 6/12(2006.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H05B 6/06; H05B 6/04; H02M 7/44; H02M 7/5387; H02M 7/48; H05B 6/12; H02M 3/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: induction, heat, cook, duty, control, frequency*, coil*

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 09-056171 A (HIGH FREQUENCY HEATTREAT CO., LTD.) 25 February 1997 See abstract; paragraphs [0042]-[0048].	1-16
A	JP 2003-257606 A (FUJI ELECTRIC CO., LTD.) 12 September 2003 See abstract; paragraph [0006].	1-16
A	JP 2006-164525 A (MATSUSHITA ELECTRIC IND CO., LTD.) 22 June 2006 See abstract; paragraph [0056].	1-16
A	KR 10-0198302 B1 (LG ELECTRONICS INC.) 15 June 1999 See abstract; claims 1-5.	1-16
A	US 6727482 B2 (BASSILL; NICHOLAS et al.) 27 April 2004 See abstract; claims 1-16.	1-16

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		WO 01-52602 A1	19.07.2001