

Title (en)
INDUCTION DEVICE

Title (de)
INDUKTIONSVORRICHTUNG

Title (fr)
DISPOSITIF À INDUCTION

Publication
EP 4074142 A1 20221019 (DE)

Application
EP 20816174 A 20201202

Priority
• EP 19383109 A 20191213
• EP 2020084249 W 20201202

Abstract (en)
[origin: WO2021115871A1] The invention relates to an induction device (10a; 10b; 10c), in particular an induction cooking device, comprising a plurality of independently controllable induction areas (12a, 14a, 16a, 18a; 12b, 14b, 16b, 18b; 12c, 14c, 16c, 18c) and comprising at least one control unit (20a; 20b) which is provided to repetitively control the induction areas (12a, 14a, 16a, 18a; 12b, 14b, 16b, 18b; 12c, 14c, 16c, 18c) within a control period (22a; 22b) formed by a first control interval (26a; 26b) and at least one second control interval (28a; 28b) with at least one AC frequency (24a; 24b) and to supply same with energy. In order to provide a generic device with improved characteristics in terms of safe and/or comfortable operation, in the first control interval (26a; 26b), the control unit (20a; 20b) operates at least two of the induction areas (12a, 14a, 16a, 18a; 12b, 14b, 16b, 18b; 12c, 14c, 16c, 18c) with a first phase shift (32a; 32b) in order to minimise interferences.

IPC 8 full level
H05B 6/06 (2006.01)

CPC (source: EP US)
H05B 6/062 (2013.01 - US); **H05B 6/065** (2013.01 - EP); **H05B 6/1236** (2013.01 - US)

Citation (search report)
See references of WO 2021115871A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2021115871 A1 20210617; EP 4074142 A1 20221019; US 2023009984 A1 20230112

DOCDB simple family (application)
EP 2020084249 W 20201202; EP 20816174 A 20201202; US 202017779585 A 20201202