

Title (en)
INDUCTION ENERGY TRANSMISSION SYSTEM

Title (de)
INDUKTIONSENERGIEÜBERTRAGUNGSSYSTEM

Title (fr)
SYSTÈME DE TRANSMISSION D'ÉNERGIE PAR INDUCTION

Publication
EP 4327627 A1 20240228 (DE)

Application
EP 22720718 A 20220406

Priority
• EP 21382332 A 20210419
• EP 2022059056 W 20220406

Abstract (en)
[origin: WO202223291A1] The invention is directed to an induction energy transmission system (10a; 10b), in particular an induction cooking system, comprising a supply unit (12a; 12b) that includes at least one supply induction element (14a; 14b) for inductively providing energy as well as at least one inverter unit (16a) for operating the supply induction element (14a; 14b), further comprising at least one small domestic appliance (18a, 20a; 18b, 20b) that includes at least one accepting induction element (22a; 22b) for receiving the inductively provided energy, and comprising a control unit (24a; 24b) for controlling the inverter unit (16a). In order to increase flexibility, according to the invention, the control unit (24a; 24b) interrupts a provision of supply alternating current (88a) by the inverter unit (16a) during at least a first time window (26a) within a control period (28a) in at least one operating mode in order to set a supply power for the small domestic appliance (18a, 20a; 18b, 20b), while adjusting at least one switching parameter (32a, 54a, 58a) of a switching parameter set (34a) of the inverter unit (16a) in a second time window (30a) within the control period (28a).

IPC 8 full level
H05B 6/12 (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP US)
H05B 6/062 (2013.01 - EP); **H05B 6/1236** (2013.01 - EP US); **H05B 2213/06** (2013.01 - EP)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 202223291 A1 20221027; EP 4327627 A1 20240228; US 2024188198 A1 20240606

DOCDB simple family (application)
EP 2022059056 W 20220406; EP 22720718 A 20220406; US 202218285660 A 20220406