

Title (en)

INDUCTION ENERGY TRANSMISSION SYSTEM

Title (de)

INDUKTIONSENERGIEÜBERTRAGUNGSSYSTEM

Title (fr)

SYSTÈME DE TRANSMISSION D'ÉNERGIE PAR INDUCTION

Publication

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Application

**EP 22720718 A 20220406**

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- 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

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