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(19) **United States**(12) **Patent Application Publication****Lasobras Bernad et al.**(10) **Pub. No.: US 2024/0215121 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **INDUCTION ENERGY SUPPLY DEVICE****Publication Classification**(71) Applicant: **BSH Hausgeräte GmbH**, Munich (DE)(72) Inventors: **Javier Lasobras Bernad**, EJE A DE LOS CABALLEROS (ZARAGOZA) (ES); **Sergio Llorente Gil**, Zaragoza (ES); **Jesus Manuel Moya Nogues**, Zaragoza (ES); **Jorge Pascual Aza**, Zaragoza (ES); **Javier Serrano Trullen**, Zaragoza (ES); **Jorge Tesa Betes**, Zaragoza (ES)(51) **Int. Cl.****H05B 6/06** (2006.01)**H02M 1/34** (2006.01)**H02M 7/537** (2006.01)**H05B 6/12** (2006.01)(52) **U.S. Cl.**CPC **H05B 6/062** (2013.01); **H02M 1/34** (2013.01); **H02M 7/537** (2013.01); **H05B 6/1236** (2013.01); **H05B 2213/06** (2013.01)(21) Appl. No.: **18/288,389**(22) PCT Filed: **Apr. 27, 2022**(86) PCT No.: **PCT/EP2022/061134**

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ABSTRACT

An induction energy supply device includes a supply unit having a supplying induction element designed to inductively provide energy to a positioned unit, an inverter unit designed to operate the supplying induction element, a snubber unit interacting with the inverter unit and including a plurality of snubber capacitors, and a control unit designed to control the inverter unit and including a data reception element for wireless reception of an operating parameter from the positioned unit. The control unit is designed to adjust a setting of the snubber unit on the basis of the operating parameter.

