

Title (en)
DEVICE FOR HEATING LIQUIDS

Title (de)
VORRICHTUNG ZUM ERWÄRMEN VON FLÜSSIGKEITEN

Title (fr)
DISPOSITIF DE CHAUFFAGE DE LIQUIDES

Publication
EP 3935917 A1 20220112 (EN)

Application
EP 20713102 A 20200309

Priority
• IT 201900003373 A 20190308
• IB 2020052023 W 20200309

Abstract (en)
[origin: WO2020183344A1] A device (10) for heating liquids, comprising at least one longitudinally extended hollow body (12), an electrical winding (18) arranged around the hollow body (12), and a longitudinally extended coil (20) which passes inside the hollow body (12) and is crossed internally by a stream of liquid, the electrical winding (18) being configured to generate an electromagnetic field adapted to induce an electrical current in the coil (20) for the electromagnetic induction heating of the coil (20), the coil (20) being in thermal contact with the stream of liquid; the hollow body (12) comprises a first end (14) and a second end (16), the cavity of the hollow body (12) comprising a first opening arranged at the first end (14) and a second opening arranged at the second end (16); and the first opening of the cavity of the hollow body (12) is at least partially occluded by a first closure plate (25), and the second opening of the cavity of the hollow body (12) is at least partially occluded by a second closure plate, the coil (20) being enclosed within the hollow body (12) by means of the first and second closure plates.

IPC 8 full level
H05B 6/10 (2006.01); **A47J 31/54** (2006.01); **F24H 1/12** (2022.01); **F24H 9/18** (2022.01)

CPC (source: CH EP)
A47J 31/542 (2013.01 - CH EP); **F24H 1/142** (2013.01 - CH EP); **F24H 1/162** (2013.01 - CH EP); **F24H 9/1818** (2013.01 - CH EP); **H05B 6/108** (2013.01 - CH EP); **F24H 2250/08** (2013.01 - CH EP)

Citation (search report)
See references of WO 2020183344A1

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Designated extension state (EPC)
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