

Title (en)

PROCESS AND DEVICE FOR HEATING A DIELECTRIC OR NEARLY DIELECTRIC LIQUID, AND USE OF THIS DEVICE FOR HEATING, IN PARTICULAR OF A CALORIFIC FLUID

Publication

EP 0082092 B1 19880224 (FR)

Application

EP 82420166 A 19821126

Priority

FR 8123790 A 19811216

Abstract (en)

[origin: EP0082092A1] 1. Process for heating a dielectric liquid consisting in immersing at least one bare resistor, to the terminals of which a potential difference is applied, directly in the said liquid contained in an enclosure, characterized in that for heating a liquid with a resistivity higher than 10^{**8} OMEGA /cm the liquid is conducted along plate-shaped resistors so that the velocity vectors of the general motion of the liquid under natural or forced flow, in the vicinity of the resistor or resistors are tangent or parallel to the faces of the said plates.

IPC 1-7

H05B 3/82; **F24H 1/10**

IPC 8 full level

F24H 1/10 (2006.01); **H05B 3/82** (2006.01)

CPC (source: EP)

F24H 1/103 (2013.01); **H05B 3/82** (2013.01)

Cited by

US5044314A; US4956046A; US4938815A; US4778559A; US4891335A; WO2008112235A1

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EP 82420166 A 19821126; AT 82420166 T 19821126; BR 8207165 A 19821209; CA 417786 A 19821215; DE 3278148 T 19821126; FR 8123790 A 19811216