

Title (en)

Method and apparatus for heating a flowing ionic fluid

Title (de)

Verfahren und Vorrichtung zum Erwärmen einer strömenden ionischen Flüssigkeit

Title (fr)

Dispositif et procédé de chauffage d'un liquide ionique en écoulement

Publication

**EP 0690660 B1 20000119 (FR)**

Application

**EP 95401569 A 19950629**

Priority

FR 9408108 A 19940630

Abstract (en)

[origin: EP0690660A1] The liq. is circulated through an elongated enclosure (3) having identical electrodes (4,5) at its inlet (6) and outlet (7). An AC voltage of e.g. 5 kV is generated (8) and applied between two perforated discs (15) in which the number and size of the holes depends upon the viscosity and rate of flow. At its centre the enclosure is constricted to a narrow tube (9) whose cross section is calculated for the desired rate of flow and duration of passage. <IMAGE>

IPC 1-7

**H05B 3/60**; F24H 1/10

IPC 8 full level

**H05B 3/60** (2006.01)

CPC (source: EP)

**H05B 3/60** (2013.01)

Cited by

CN105919424A; US6130990A; FR2802052A1; EP1107645A1; US6522834B1; US6421501B2; WO2015082944A1; WO0141509A1; WO2013141703A1; US10433572B2; US11259549B2

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