

Title (en)

Electromagnetic processor for heating and mixing liquids.

Title (de)

Elektromagnetischer Behandlungsvorrichtung zum Aufheizen und Mischen von Flüssigkeiten.

Title (fr)

Dispositif de traitement électromagnétique pour le chauffage et le mélange de liquides.

Publication

EP 0579073 A1 19940119

Application

EP 93110683 A 19930705

Priority

- US 3376093 A 19930504
- US 91224192 A 19920713

Abstract (en)

Electromagnetic processor for heating and mixing liquids. The processor comprises a cylindrical core assembly (100) consisting of electrically conductive and possibly magnetic material with at least one channel and an inlet opening and an outlet opening for the passage of the liquid to be processed through said channel. Said channel is designed to enlarge the length of the path of the liquid through the core assembly and to mix the liquid while passing therethrough. The core assembly is surrounded by an electric coil (38), which, when connected to an alternating electric power source, heats up the metal of the core assembly and thus the liquid by its magnetic field. <IMAGE>

IPC 1-7

H05B 6/14; **H05B 6/02**; **B01F 15/06**; **B01F 5/06**

IPC 8 full level

B01F 5/06 (2006.01); **B01F 15/06** (2006.01); **H05B 6/02** (2006.01); **H05B 6/14** (2006.01)

CPC (source: EP)

B01F 25/422 (2022.01); **B01F 25/43** (2022.01); **B01F 35/94** (2022.01); **H05B 6/108** (2013.01); **H05B 6/14** (2013.01)

Citation (search report)

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