

Title (en)

Method and apparatus for processing liquids under cavitation conditions

Title (de)

Verfahren und Vorrichtung zur Verarbeitung von Flüssigkeiten unter Kavitationsbedingungen

Title (fr)

Procédé et appareil pour le traitement de liquides sous des conditions de cavitation

Publication

EP 1985357 A1 20081029 (EN)

Application

EP 08460013 A 20080421

Priority

PL 38226407 A 20070424

Abstract (en)

A method and apparatus for processing liquid fluids with use of cavitation process is being disclosed, consisting of bringing a liquid to be cavited in between two planar elements, one stationary, one rotary, said planar elements having regular, concentric structure of alternate protrusion and channels, divided into arched segments by radial channels in both planar elements, complementary on both stationary and rotary elements, so they create labyrinth like arrangement, with some clearance in both radial and axial directions, between the protrusions and channels which create said labyrinth. The process is particularly suitable for heating liquid fluids, mixing different liquids, dispersing suspensions within liquid fluid, decontamination of wastewater and many other processes.

IPC 8 full level

B01F 27/73 (2022.01); **B01F 27/93** (2022.01); **B01J 19/00** (2006.01)

CPC (source: EP)

B01F 27/2711 (2022.01); **B01F 23/40** (2022.01)

Citation (applicant)

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Citation (search report)

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Designated extension state (EPC)

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