

Title (en)

A VORTEX DEVICE AND A METHOD FOR HYDROACOUSTIC TREATMENT OF A FLUID

Title (de)

WIRBELVORRICHTUNG UND VERFAHREN ZUR HYDROAKUSTISCHEN BEHANDLUNG EINER FLÜSSIGKEIT

Title (fr)

DISPOSITIF À TOURBILLON ET PROCÉDÉ DE TRAITEMENT HYDROACOUSTIQUE D'UN FLUIDE

Publication

**EP 3999713 A1 20220525 (EN)**

Application

**EP 20739574 A 20200624**

Priority

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Abstract (en)

[origin: EP3767069A1] A vortex device for a hydroacoustic treatment of a fluid that flows through the vortex device, the device comprising: a cylindrical inlet section of a first diameter; a cylindrical outlet section of a second diameter that is smaller than the first diameter, wherein the inlet section is connected to the outlet section via a conical reducer. The inlet section comprises tangential inlets to generate a concurrent flow of the fluid upon entry. The vortex device further comprises a conical cover comprising a base that covers the inlet section and an apex such that the conical cover directs the fluid from the outside of the vortex device to the tangential inlets.

IPC 8 full level

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