

Title (en)  
HYDRODYNAMIC DISPERSER

Title (de)  
HYDRODYNAMISCHER DISPERGIERER

Title (fr)  
DISPERSEUR HYDRODYNAMIQUE

Publication  
**EP 2463019 A1 20120613 (EN)**

Application  
**EP 10806695 A 20100723**

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Abstract (en)  
The invention relates to the field of producing and homogenizing disperse systems with a liquid medium, specifically for producing emulsions with a set concentration of components, for example hydrofuel components, and can be used in the fuel, energy, oil-processing and other sectors of industry. The technical result consists in producing a hydrodynamic disperser which makes it possible to introduce acoustic oscillations of different frequencies into a liquid, said frequencies being selected by means of manual adjustment without the disperser being dismantled, as well as in increasing the quality of the emulsion produced with the aid of the disperser by virtue of the fact that the hydrodynamic disperser comprises a body, a nozzle and a resonance plate, which is fixed in such a way as to be capable of moving towards the nozzle, the fastening elements of said resonance plate being arranged on the nozzle, wherein the nozzle comprises a slotted head and is in the form of a pipe with a flange, in which a threaded sleeve is fixed firmly, with a threaded plunger being passed through said threaded sleeve, the outer end of said threaded plunger being sealed on the inner side and on the outer side of a guide channel, and being provided with wrench flats, wherein the outer end of the threaded plunger is fixed with a nut.

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**B01F 23/4111** (2022.01); **B01F 31/81** (2022.01)

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Cited by  
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