

Title (en)
DEVICE AND METHOD FOR THE SEPARATION OF FLUIDS

Title (de)
GERÄT UND VERFAHREN ZUR TRENNUNG VON FLUIDEN

Title (fr)
DISPOSITIF ET PROCEDE DE SEPARATION DE FLUIDES

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Application
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Abstract (en)
[origin: WO9943439A1] A hydrocyclone for the separation of two fluids having different densities and which are immiscible, comprising a conical tube (1) having an inlet for the fluids to be separated in proximity to the widest end of the tube, an axial outlet (10) for the fluid having the lowest density close to the fluid inlet, an outlet (14) for the fluid having highest density at the narrowest end of the tube (1) and wherein in the inlet there are provided means, such as guide vanes or inlet openings (9) which are approximately tangential to the inner diameter of the tube to set the fluid mixture in substantially rotational motion, wherein in the tube (1) at one or more points at a distance from the inlet there are provided means for converting axial motion into rotational motion. A method for the separation of fluids using the improved cyclone is also described.

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