

Title (en)

DEVICE FOR THE SEPARATION OF SOLID PARTICLES SUSPENDED IN A LIQUID AND/OR LIQUIDS OF DIFFERENT DENSITIES, EACH COMPRISING AT LEAST ONE MEANS FOR CREATING AND MAINTAINING A VORTEX

Title (de)

VORRICHTUNG ZUR TRENNUNG VON IN EINER FLÜSSIGKEIT UND/ODER FLÜSSIGKEITEN UNTERSCHIEDLICHER DICHTEN SUSPENDIERTEN FESTSTOFFEN JEWEILS MIT MINDESTENS EINER VORRICHTUNG ZUR ERZEUGUNG UND AUFRECHTERHALTUNG EINES WIRBELS

Title (fr)

DISPOSITIF DE SEPARATION DE PARTICULES SOLIDES EN SUSPENSION DANS UN LIQUIDE ET/OU DE LIQUIDES DE DENSITES DIFFERENTES, COMPRENANT CHACUN AU MOINS UN MOYEN DE CREATION ET DE MAINTIEN DE VORTEX

Publication

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Application

**EP 17797899 A 20171031**

Priority

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Abstract (en)

[origin: WO2018083104A1] The device of the invention consists of a combination of the following means: a means for creating and maintaining a vortex by putting into motion the liquid containing solid particles or the mixture of liquids of different densities, the shape and/or the ratio between the dimensions of the means following the golden ratio  $\phi$ ; a buffer tank in which the vortex is created, the shape and/or the ratio between the dimensions of the tank following the golden ratio  $\phi$ , thereby allowing the vortex to be maintained and, if necessary, created; and a collector centred on the axis of the tank, for collecting the solid particles concentrated at the bottom of the vortex.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2018083104A1

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