

Title (en)
SEPARATION PROCESS OF BI-PHASE FLUIDS AND RELATED ACCELERATOR SYSTEM

Title (de)
TRENNVERFAHREN FÜR ZWEIPHASIGE FLUIDE UND ZUGEHÖRIGES BESCHLEUNIGERSYSTEM

Title (fr)
PROCÉDÉ DE SÉPARATION DE FLUIDES BIPHASÉS ET SYSTÈME D'ACCÉLÉRATEUR ASSOCIÉ

Publication
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Application
EP 07805764 A 20070806

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• IT BA20060051 A 20060807

Abstract (en)
[origin: WO2008018108A2] Process for the separation of two-phase fluids and relative accelerator unit, comprising means for pumping the two-phase fluid, at least one washing tank, filtering means for the coalescence of the particles, sensors and actuators for controlling flow rate, pressure and temperature, at least one tank for collecting the fluid at lower density (normally oil) and characterised by an oil separator inside of which a controlled field of hydrodynamic pressures is generated, correlated to the density of the fluids to be treated, which accelerates the stratification phenomenon, allowing the phase at lower density (for example oil) to be drawn off and the constant flow of the decontaminated phase (for example water) towards the outlet from the system.

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