

Title (en)

METHOD FOR MIXING AND SUBSEQUENTLY SEPARATING A MULTIPHASE FLUID AND AN ARRANGEMENT FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUM MISCHEN UND ANSCHLIESSENDEN TRENNEN EINES MEHRPHASIGEN FLUIDS UND ANLAGE ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE MELANGE ET DE SEPARATION SUBSEQUENTE D'UN FLUIDE MULTIPHASE, ET INSTALLATION POUR LA MISE EN OEUVRE DE CE PROCEDE

Publication

EP 1694418 A1 20060830 (DE)

Application

EP 04803854 A 20041214

Priority

- EP 2004014231 W 20041214
- DE 10361144 A 20031216

Abstract (en)

[origin: WO2005058451A1] The invention relates to a method for mixing a multiphase fluid in a mixing reactor and subsequently separating different heavy phases in a reservoir usable at least intermittently in the form of a sedimentation tank and for returning the separated phases in said mixing reactor. In order to increase the load of the sedimentation tank, said invention is characterised in that a volume flow which intermittently comes from the sedimentation tank or from a return line is run towards the inlet flow of the sedimentation tank through a short flow path. The inventive arrangement for carrying out said method comprises a mixing reactor (2) and a sedimentation tank (6) arranged in such a way that the volume flow coming from the sedimentation tank (6) or from the return line (9) is guided to the inlet flow of the sedimentation tank (6) through a short flow path.

IPC 8 full level

B01D 11/04 (2006.01); **B01D 17/02** (2006.01); **B01D 21/00** (2006.01); **B01D 21/24** (2006.01); **C02F 3/00** (2006.01)

CPC (source: EP)

B01D 17/0205 (2013.01); **B01D 17/0208** (2013.01); **B01D 17/0211** (2013.01); **B01D 17/0214** (2013.01); **B01D 21/0042** (2013.01); **B01D 21/02** (2013.01); **B01D 21/2405** (2013.01); **B01D 21/2427** (2013.01); **B01D 21/2433** (2013.01); **B01D 21/2444** (2013.01); **B01D 21/245** (2013.01); **B01D 21/2488** (2013.01); **B01D 21/34** (2013.01); **C02F 1/008** (2013.01); **C02F 2001/007** (2013.01); **C02F 2209/42** (2013.01)

Citation (search report)

See references of WO 2005058451A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005058451 A1 20050630; EP 1694418 A1 20060830

DOCDB simple family (application)

EP 2004014231 W 20041214; EP 04803854 A 20041214