

Title (en)

PROCESS AND DEVICE FOR SEPARATING A SPECIFICALLY LIGHTER PHASE FROM A SPECIFICALLY HEAVIER LIQUID PHASE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TRENNUNG EINER SPEZIFISCH LEICHTEREN PHASE VON EINER SPEZIFISCH SCHWEREREN FLÜSSIGEN PHASE

Title (fr)

PROCEDE ET DISPOSITIF POUR SEPARER UNE PHASE SPECIFIQUEMENT PLUS LEGERE D'UNE PHASE LIQUIDE SPECIFIQUEMENT PLUS LOURDE

Publication

**EP 0800590 B1 20020417 (DE)**

Application

**EP 95942152 A 19951213**

Priority

- DE 19500266 A 19950107
- EP 9504941 W 19951213

Abstract (en)

[origin: WO9621049A1] The present invention describes a process and a device for separating a specifically lighter phase from a specifically heavier liquid phase, in which a suspension (2) is thoroughly agitated in a reaction vessel (1), at least one reagent can be introduced into the suspension (2) resulting in the formation of the specifically lighter phase from the starting material, suspension (2) enters the lower end (7) of a pipe (5) open at top and bottom, the pipe is spatially separated from the reagent inlet (4) and the upper end of the pipe lies above the surface (8) of the suspension (2), the phases separate in the pipe (5), the specifically lighter phase is removed from the upper end (6) of the pipe, the specifically heavier phase flows back into the suspension (2) through the lower end (7) of the pipe and the specifically heavier liquid phase is drawn off from the reaction vessel (1).

IPC 1-7

**C22B 13/06**; **C22B 9/05**; **C22B 9/10**

IPC 8 full level

**C22B 9/05** (2006.01); **C22B 9/10** (2006.01); **C22B 13/06** (2006.01); **F27D 3/15** (2006.01); **F27D 27/00** (2010.01); **F27D 3/00** (2006.01)

CPC (source: EP)

**C22B 9/05** (2013.01); **C22B 9/10** (2013.01); **C22B 13/06** (2013.01); **F27D 3/15** (2013.01); **F27D 27/00** (2013.01); **F27D 2003/0054** (2013.01)

Designated contracting state (EPC)

AT BE DE DK ES FR GB IT SE

DOCDB simple family (publication)

**WO 9621049 A1 19960711**; AT E216434 T1 20020515; DE 19500266 C1 19960222; DE 59510176 D1 20020523; EP 0800590 A1 19971015; EP 0800590 B1 20020417; ES 2174974 T3 20021116; NO 319933 B1 20051003; NO 973082 D0 19970702; NO 973082 L 19970814

DOCDB simple family (application)

**EP 9504941 W 19951213**; AT 95942152 T 19951213; DE 19500266 A 19950107; DE 59510176 T 19951213; EP 95942152 A 19951213; ES 95942152 T 19951213; NO 973082 A 19970702