

Title (en)

Method and apparatus for optimising the transport of multiphase flows by pumping

Title (de)

Verfahren und Vorrichtung für die Optimierung des Transports einer Mehrphasenflüssigkeit durch Pumpen

Title (fr)

Procédé et dispositif permettant d'optimiser le transfert par pompage d'effluents polyphasiques

Publication

**EP 0549439 B1 19960313 (FR)**

Application

**EP 92403475 A 19921218**

Priority

- FR 9116230 A 19911227
- FR 9205617 A 19920505

Abstract (en)

[origin: EP0549439A1] The transfer of effluents consisting of at least one gaseous phase and at least one liquid phase by pumping in a transfer pipe connecting an effluent source is optimised by interposing in the pipe between the source and the destination location, a polyphase pump and the rotational speed of the pump is adjusted so as to adapt the output of the latter to at least one of the following parameters: the variation in output from the well, the variation in the volumetric ratio GLR or variations in head losses arising in the pipe during transfer. The values of the parameters are monitored and if necessary these values are returned to values which are compatible with the operation of the pump. <IMAGE>

IPC 1-7

**F04D 15/00**; **F04D 31/00**; **F04B 49/00**; **E21B 43/12**

IPC 8 full level

**E21B 43/12** (2006.01); **F04B 49/20** (2006.01); **F04D 15/00** (2006.01); **F04D 31/00** (2006.01)

CPC (source: EP US)

**E21B 43/12** (2013.01 - EP US); **F04B 49/20** (2013.01 - EP US); **F04D 15/0066** (2013.01 - EP US); **F04D 31/00** (2013.01 - EP US)

Cited by

WO0150024A1; FR2920817A1; GB2298239A; GB2298239B; EP0989306A1; FR2783884A1; US8757255B2; US6296690B1; WO2009066034A3; US6773235B2

Designated contracting state (EPC)

DK FR GB NL

DOCDB simple family (publication)

**EP 0549439 A1 19930630**; **EP 0549439 B1 19960313**; BR 9205160 A 19930817; CA 2086298 A1 19930628; CA 2086298 C 20040608; DK 0549439 T3 19960722; FR 2685738 A1 19930702; FR 2685738 B1 19951208; MX 9207521 A 19940630; NO 178906 B 19960318; NO 178906 C 19960626; NO 925006 D0 19921223; NO 925006 L 19930628; US 5393202 A 19950228

DOCDB simple family (application)

**EP 92403475 A 19921218**; BR 9205160 A 19921223; CA 2086298 A 19921224; DK 92403475 T 19921218; FR 9205617 A 19920505; MX 9207521 A 19921223; NO 925006 A 19921223; US 99826492 A 19921228