Title (en)

OPERATING METHOD FOR A PUMP, IN PARTICULAR A MULTI PHASE PUMP AS WELL AS A PUMP

Title (de)

BETRIEBSVERFAHREN FÜR EINE PUMPE, INSBESONDERE EINE MULTIPHASENPUMPE SOWIE PUMPE

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE POMPE, EN PARTICULIER UNE POMPE MULTIPHASES ET POMPE

Publication

EP 3037668 B1 20181205 (DE)

Application

EP 15189340 A 20151012

Priority

- EP 14198870 A 20141218
- EP 15189340 A 20151012

Abstract (en)

[origin: MX2015016613A] An operating method for a pump includes providing a return line for returning the fluid from a high-pressure side to a low-pressure side, controlling a control valve in the return line with a surge control unit for avoiding an unstable operating state, the control valve controlling the throughflow through the return line, storing a limit curve for a control parameter in the surge control unit, comparing an actual value of the control parameter with the limit curve during the operation of the pump; and when the actual value of the control parameter reaches the limit curve, controlling the control valve in the return line such that the actual value of the control parameter is moved away from the limit curve, an operating parameter of the pump being used as the control parameter.

IPC 8 full level

F04D 15/00 (2006.01); F04D 27/00 (2006.01); F04D 27/02 (2006.01); F04D 31/00 (2006.01)

CPC (source: CN EP RU US)

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WO 2016041990 A1 20160324 - FMC KONGSBERG SUBSEA AS [NO]

Cited by

EP3623633A1; WO2023122501A1

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