

Title (en)

A DIGITAL VALVE FOR MIXING FLUIDS

Title (de)

DIGITALES VENTIL ZUM MISCHEN VON FLÜSSIGKEITEN

Title (fr)

SOUPAPE NUMÉRIQUE DE MÉLANGE DE FLUIDES

Publication

EP 3271791 A1 20180124 (EN)

Application

EP 16711227 A 20160317

Priority

- GB 201504443 A 20150317
- EP 2016055800 W 20160317

Abstract (en)

[origin: WO2016146742A1] A valve apparatus for mixing fluids comprising a plurality of digital valves. Each valve has an actuator for adjusting the pressure and/or rate of flow of fluid from a cylinder storing fluid, a mixer for mixing the flow of fluid from each valve to produce an output flow, a fluid analysis unit arranged to monitor the composition of the output flow, and a controller arranged to provide a target mixture concentration for the output flow. The controller transmits target data to the fluid analysis unit, the fluid analysis unit receives the target data, to determine any error in the monitored composition, and sends a correction signal to one or more of the valves for adjusting the flow. Each of the valves is able to receive a correction signal and to adjust the flow using the actuator.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016146742A1

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BA ME

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