

Title (en)  
FLUID SYSTEM

Title (de)  
FLUIDSYSTEM

Title (fr)  
SYSTÈME DE FLUIDE

Publication  
**EP 3462021 A1 20190403 (EN)**

Application  
**EP 18190437 A 20180823**

Priority  
TW 106133652 A 20170929

Abstract (en)  
A fluid system (100) includes a fluid active region (10), a fluid channel (20), a convergence chamber (30), a sensor (40) and a plurality of valves (50, 50a, 50b, 50c, 50d). The fluid active region (10) includes at least one fluid-guiding unit (10a). The fluid-guiding unit (10a) is enabled under control, so as to transport fluid and discharge the same out through an outlet aperture (160) thereof. The fluid channel (20) is in communication with the outlet aperture (160) of the fluid active region (10), and includes a plurality of branch channels (20a, 20b, 21a, 22a, 21b, 22b) for splitting the fluid discharged from the fluid active region (10). The convergence chamber (30) is in communication with the fluid channel (20). The sensor (40) is disposed in the fluid channel (20) for measuring the fluid. The valves (50, 50a, 50b, 50c, 50d) are disposed in the corresponding branch channels (20a, 20b, 21a, 22a, 21b, 22b), wherein the fluid is discharged out through the branch channels (20a, 20b, 21a, 22a, 21b, 22b) by controlling open/closed states of the valves (50, 50a, 50b, 50c, 50d). The fluid system (100) of the present disclosure is capable of acquiring required flow rate, pressure and amount of the fluid to be transported.

IPC 8 full level  
**F04B 13/00** (2006.01); **F04B 7/00** (2006.01); **F04B 39/08** (2006.01); **F04B 43/04** (2006.01); **F04B 45/047** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)  
**F04B 7/00** (2013.01 - EP US); **F04B 13/00** (2013.01 - EP); **F04B 39/08** (2013.01 - EP); **F04B 43/046** (2013.01 - EP US); **F04B 45/047** (2013.01 - EP US); **F04B 53/10** (2013.01 - EP)

Citation (search report)

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- [A] US 2013068325 A1 20130321 - HERZ MARKUS [US], et al
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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DOCDB simple family (application)  
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