

Title (en)

Fluid mixer and method for forming mixed fluid

Title (de)

Flüssigkeitsmischer und Verfahren zum Bilden von gemischter Flüssigkeit

Title (fr)

Mélangeur de fluide et procédé de formation d'un fluide mélangé

Publication

EP 1997553 B1 20101117 (EN)

Application

EP 08009659 A 20080527

Priority

JP 2007140279 A 20070528

Abstract (en)

[origin: EP1997553A2] A fluid mixer includes: first-fluid introduction paths (11) into which a first fluid is introduced; second-fluid introduction paths (12) which are arranged alternately with the first-fluid introduction paths, and into which a second fluid is introduced; first bifurcation paths (13) formed of ends of the first-fluid introduction paths and ends of the second-fluid introduction paths, the ends bifurcating in two directions; first confluence paths (14) formed by combining ends of the first bifurcation paths with adjacent ends of different first bifurcation paths; n bifurcation paths (19) formed of ends of n-1 confluence paths (18), the ends bifurcating in two directions; n confluence paths (20) formed by combining ends of the n bifurcation paths with adjacent ends of different n bifurcation paths; and mixed-fluid discharging paths (21) formed of the n confluence paths extended to the end, the mixed-fluid discharging path for discharging a mixed fluid.

IPC 8 full level

B01F 5/06 (2006.01); **B01F 13/00** (2006.01); **B01F 13/10** (2006.01); **B01F 23/10** (2022.01)

CPC (source: EP)

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Cited by

EP2289613A3; EP3444027A4; EP2516059A4; DE102014202293A1; FR2938778A1; US9393535B2

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