

Title (en)
Mixer with tubular housing

Title (de)
In einem Rohr angeordneter Mischer

Title (fr)
Mélangeur avec corps en forme de tube

Publication
EP 0749776 B1 20010124 (DE)

Application
EP 95810418 A 19950621

Priority
EP 95810418 A 19950621

Abstract (en)
[origin: EP0749776A1] A mixer assembly incorporated within a pipe (10) consists of one or more elements (1, 1') disrupting the laminar fluid flow. Each element (1, 1') is formed by a disc less two opposing radial sectors, with a baffle edge (5) along one sector face of one diametrical axis, and a second baffle edge (2) along the opposite sector face of the other diametrical axis. The baffles on each element (1, 1') form a cross and act as supports and spacers from the next element (1, 1'). Part-discs and vanes guide the fluid flow at the boundaries (3, 3') between elements (1, 1'). An open gap (4, 4') is maintained on both sides of each baffle (2, 2'). The mixer elements are assembled as a battery in series, each element (1, 1') being slightly rotated during assembly with respect to the adjacent element (1, 1').

IPC 1-7
B01F 5/06

IPC 8 full level
B01F 23/00 (2022.01); **B01F 23/47** (2022.01)

CPC (source: EP KR US)
B01F 23/00 (2022.01 - KR); **B01F 25/4321** (2022.01 - EP US)

Cited by
EP3907461A1; EP3338882A1; DE10322922A1; EP2548634A1; EP2335817A3; DE10158651A1; DE10158651B4; EP1588757A1; EP2614883A1; EP2407249A1; EP4000749A1; US7199242B2; US10363526B2; WO2012095178A1; EP3446776A3; DE202018106654U1; WO2020104473A2; EP2335817A2; DE102009054652A1; US10722853B2; US10245566B2; WO2022101167A1; WO2011162728A1; WO2017027279A1; EP2230025A1; WO2010102955A1; WO2013171030A1; US9764296B2; US9878335B2; US10828609B2; US10946349B2; WO2012010337A1; EP2527041A1; EP2848320A1; US9770728B2; US10265713B2; DE202008007801U1; EP2286925A2; DE202011050465U1; US8083397B2; WO2012172078A1; US10245565B2; US10427114B2; WO2012010338A1; US10625282B2; EP4282516A1; WO2023227408A1

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