

Title (en)  
Mixing device for liquids

Title (de)  
Mischvorrichtung für Flüssigkeiten

Title (fr)  
Dispositif de mélange pour liquides

Publication  
**EP 1787712 A1 20070523 (DE)**

Application  
**EP 05110886 A 20051117**

Priority  
EP 05110886 A 20051117

Abstract (en)  
Device for mixing a first liquid- and at least a liquid, viscous or powdered further components (K1, K2, etc.), which can be supplied into the mixing chamber (100) of a mixing body (10) and after the execution of the mixing process and which are again dischargeable in the form of the mixing product from the mixing body, where the mixing body, preferably a circular closed-loop tubing system, whose interior space forms the mixing chamber, through which the mixing product is cyclically transportable by means of a conveyance element (7). Device for mixing a first liquid- and at least a further liquid, viscous or powdered components (K1, K2, etc.), which can be supplied into the mixing chamber (100) of a mixing body (10) and after the execution of the mixing process and which are again dischargeable in the form of the mixing product from the mixing body, where the mixing body, preferably a circular closed-loop tubing system, whose interior space forms the mixing chamber, through which the mixing product is cyclically transportable by means of a conveyance element (7), and in the mixing body, several lockable inlet openings (101, 102, etc.) for the supply of the components and at least a lockable outlet (109) for the discharge of the mixing product are intended. Independent claims are included for: (1) a method for mixing a first liquid component and at least a further liquid, viscous or powdered component using the device; and (2) a method for the manufacture of low-molecular reaction products using the device and a component K2, which is reactive with the component K1, or reacts with itself under the influence of the component K1.

IPC 8 full level  
**B01F 23/47** (2022.01); **C09J 183/04** (2006.01)

CPC (source: EP US)  
**B01F 25/52** (2022.01 - EP US); **B01F 25/54** (2022.01 - EP US); **B01F 33/453** (2022.01 - EP US); **B01F 35/715** (2022.01 - EP); **B01F 35/715** (2022.01 - US); **B01F 2101/36** (2022.01 - EP US)

Citation (search report)  
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Designated contracting state (EPC)  
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DOCDB simple family (application)  
**EP 05110886 A 20051117**; CN 200680043213 A 20061117; EP 06819586 A 20061117; EP 2006068617 W 20061117; JP 2008540618 A 20061117; US 8442306 A 20061117