

Title (en)
STOPPED-FLOW CHIP

Title (de)
STOPPED-FLOW-CHIP

Title (fr)
PUCE À BLOCAGE DE FLUX

Publication
EP 2285492 A2 20110223 (DE)

Application
EP 09765577 A 20090612

Priority
• EP 2009004235 W 20090612
• DE 102008002509 A 20080618

Abstract (en)
[origin: WO2009152997A2] Disclosed is a chip for performing and measuring chemical reactions, interactions (bonds), and/or conformational changes, especially fast chemical reactions and processes. Said chip comprises a base plate which is made of a polymer material that is transparent at least in the measuring zone. The base plate has fluid ducts that extend parallel to the plane of the base plate and comprise at least the following functional sections: at least two reagent feeders (4); pressure conduits (5); a mixer structure (1); a mixing section (2); a measuring section (3); and a discharge section (8). The at least two reagent feeders (4) lead into the mixer structure (1), the mixer structure (1) has a number of inlets corresponding to the number of reagent feeders (4) as well as an outlet which leads into the mixing section (2), the outlet of the mixing section (2) leads into the measuring section (3), the outlet of the measuring section (3) is connected to the discharge section (8), the discharge section (8) leads out of the base plate or into a reservoir that is arranged on the chip, and the pressure conduits (5) lead into the reagent feeders (4) at a distance from the mixer structure (1).

IPC 8 full level
B01F 5/06 (2006.01); **B01F 13/00** (2006.01); **B01L 3/00** (2006.01)

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B01F 25/433 (2022.01 - EP US); **B01F 25/4336** (2022.01 - EP US); **B01F 33/30** (2022.01 - EP US); **B01L 3/50273** (2013.01 - EP US); **B01L 3/502746** (2013.01 - EP US); **B01L 3/502784** (2013.01 - EP US); **B01F 2025/918** (2022.01 - EP US); **B01L 2200/027** (2013.01 - EP US); **B01L 2200/0673** (2013.01 - EP US); **B01L 2200/10** (2013.01 - EP US); **B01L 2300/06** (2013.01 - EP US); **B01L 2300/0816** (2013.01 - EP US); **B01L 2300/0867** (2013.01 - EP US); **B01L 2300/087** (2013.01 - EP US); **B01L 2300/0877** (2013.01 - EP US); **B01L 2300/168** (2013.01 - EP US); **B01L 2400/0487** (2013.01 - EP US); **B01L 2400/0688** (2013.01 - EP US)

Citation (search report)
See references of WO 2009152997A2

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