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(54) Title: MICROFLUIDIC MIXING USING FLOW PULSING

(57) Abstract: A method of mixing two or more fluids comprising pulsing the flow of two fluids selected from the two or more fluids, reversing the flow of one of the pulsed fluid, bringing into contact the fluids and causing them to mix. A device for mixing the fluids is also provided.

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<p>B. FIELDS SEARCHED</p>		
<p>Minimum documentation searched (classification system followed by classification symbols) U.S. : 366/108,116,131,132,134177.1,181.8,341,DIG.4</p>		
<p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p>		
<p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)</p>		
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	VOLPERT et al. "An Actively Controlled Micromixer" ASME International Mechanical Engineering Congress & Exposition, 19 November 1999, (19.11.1999), entire reference.	1-10, 12-21, 23-26 ----- 11, 22, 27
X	US 3,010,705 A (BROWN) 28 November 1961 (28.11.1961), entire reference.	1-10
Y	US 2003/0031090 A1 (Ho et al.) 13 February 2003 (13.02.2003), entire reference, especially paragraph [0027].	11, 22, 27
<p><input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.</p>		
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