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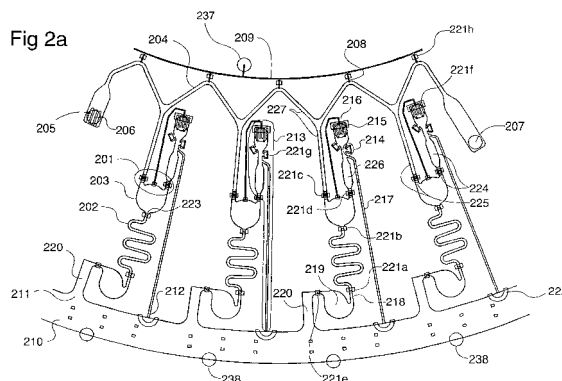
Remarks:

This application was filed on 30-09-2010 as a divisional application to the application mentioned under INID code 62.

(54) **Retaining microfluidic microcavity and other microfluidic structures**

(57) A microfluidic device having a microchannel structure in which there are one or more inlet ports, one or more outlet ports, and a structural unit in communication with at least one of said ports, wherein the structural unit is a mixing unit that enables mixing of aliquots of liquid that are miscible with each other, and which said mixing unit comprises:

a microcavity (203) with an outlet opening (223); an inlet arrangement (201) linked to the microcavity, and a mixing microconduit (202) connected to the outlet opening, wherein said microcavity has a volume sufficient to contain simultaneously the aliquots to be mixed.



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