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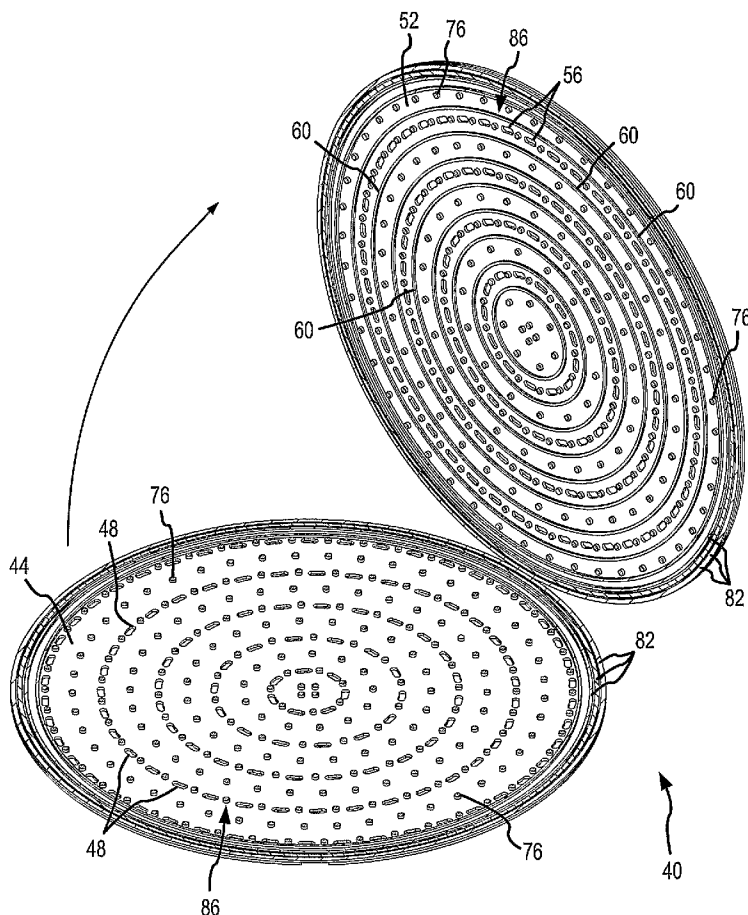
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(54) Title: MEMS FILTER MODULE WITH CONCENTRIC FILTERING WALLS



(57) Abstract: A bidirectional flow MEMS filter module (40) is disclosed that uses a plurality of concentrically disposed filtering walls (60). The MEMS filter module (40) includes a first plate (44) having a plurality of first flow ports (48), as well as a second plate (52) having a plurality of second flow ports (56) that is spaced from and interconnected with the first plate (44). The above-noted filtering walls (60) extend from the second plate (52) at least toward the first plate (44). The first plate (44) and each filtering wall (60) are spaced from each other to define a filter trap (64). All flow through the MEMS filter module (40) must pass through at least one filter trap (64) prior to exiting the MEMS filter module (40), either through one or more of the first flow ports (48) or through one or more of the second flow ports (56).



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B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,044,981 A (CHU et al) 04 April 2000, see entire document	1-32

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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