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- (71) **Applicant: EMD MILLIPORE CORPORATION**
[US/US]; 400 Summit Drive, Burlington, MA 01803 (US).
- (72) **Inventors: RAUTIO, Kevin;** c/o EMD Millipore Corporation, 400 Summit Drive, Burlington, MA 01803 (US). **FOLEY, Sean;** c/o EMD Millipore Corporation, 400 Summit Drive, Burlington, MA 01803 (US). **HUNT, Stephen G.;** c/o EMD Millipore Corporation, 400 Summit Drive, Burlington, MA 01803 (US). **LEE, Bumchul;** c/o EMD Millipore Corporation, 400 Summit Drive, Burlington, MA 01803 (US).
- (74) **Agent: CUNNINGHAM, Grant D. et al.;** EMD Millipore Corporation, 400 Summit Drive, Burlington, MA 01803 (US).
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(54) **Title:** DEVICE FOR BIND AND ELUTE CHROMATOGRAPHY USING MEMBRANES, AND METHOD OF MANUFACTURE

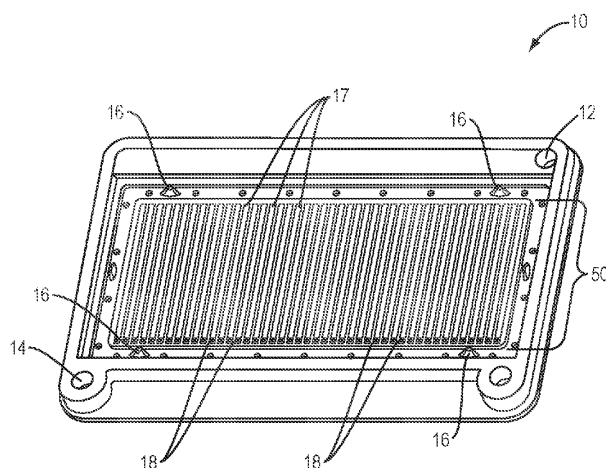


FIG. 1

(57) **Abstract:** Single-use integral chromatography unit having an inlet and an outlet, and comprising one or more plates or pairs of filter plates interposable between a pair of end plates. In certain embodiments, each of the filter plates comprises a polymeric framework with one or more membranes supported therein. The filter plates and end plates may be assembled to form a substantially fixed, substantially water-tight, integral stack. Fluid entering the unit through a common inlet passes the membrane or membranes of each filter plate substantially contemporaneously prior to exiting the unit through a common outlet (cf. "parallel" flow). The assembly is a modular design, as multiple pairs of plates can be stacked in a suitable holder to form a single chromatography unit.

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