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(71) Applicant: **MEMBRANE SENSOR SYSTEMS LIMITED** [GB/GB]; City Point 3rd Floor, 65 Haymarket Terrace, EDINBURGH Lothian EH12 5HD (GB).

(72) Inventor: **COSTER, Leonard**; C/O MEMBRANE SENSOR SYSTEMS LIMITED, City Point 3rd Floor, 65 Haymarket Terrace, EDINBURGH Lothian EH12 5HD (GB).

(74) Agent: **HGF LIMITED**; 1 City Walk, Leeds, West Yorkshire LS11 9DX (GB).

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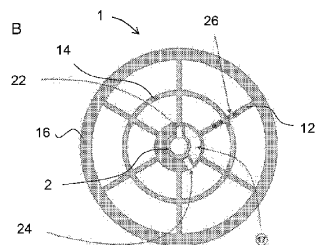
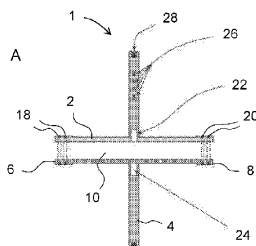


Figure 1

(57) Abstract: There is described herein a fluid filtration system comprising a fluid processing pressure vessel comprising a plurality of fluid filtration modules provided in series between an inlet and a permeate outlet, at least one sensor module and at least one data collection module, the at least one sensor module comprises a body, at least one sensor and a data transmitter, the at least one data collection module comprises a data receiver configured to receive data from the data transmitter of the at least one sensor module, and methods of using the same.

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