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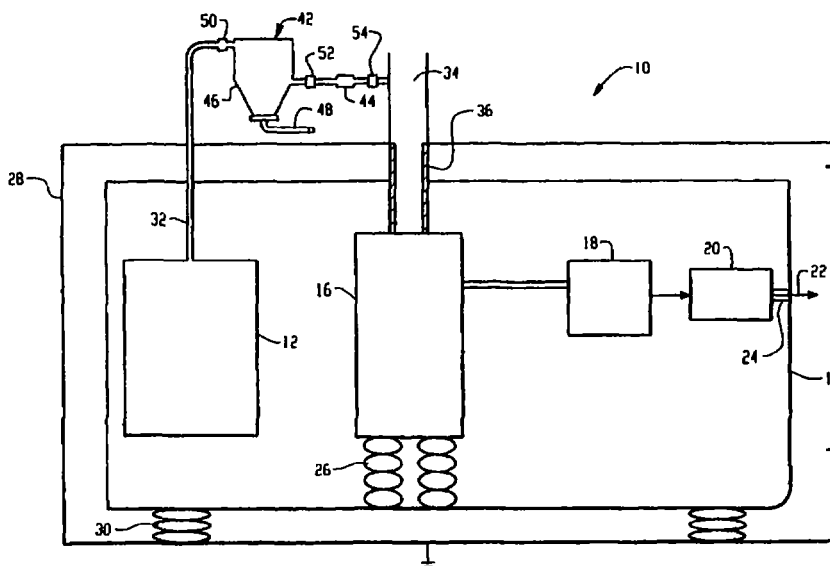
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(54) Title: CENTRIFUGAL TYPE CONTAMINANT COLLECTOR TRAP FOR ION IMPLANTER



(57) Abstract: An evacuation system for a chamber (14) is provided, including a pump (12) for removing gases and contaminants from the chamber. The pump has an outlet (32) connected to an exhaust duct (34). A collector trap (42) for use in collecting contaminants evacuated from the chamber is positioned between the pump outlet (32) and the exhaust duct (34). The collector trap (42) comprises: (i) a gas/contaminant separator (46) having an inlet (56) for introducing gases and contaminants therein, the separator (46) functioning to physically separate the gases and contaminants, the collector (48) including an extractor coupling (70) for allowing extraction of the contaminants from the collector; and (iii) an outlet (72) for allowing the separated gases to exit the gas/contaminant separator (46) and into the exhaust duct (34).

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