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(54) Title: WASTEWATER MERCURY REMOVAL PROCESS

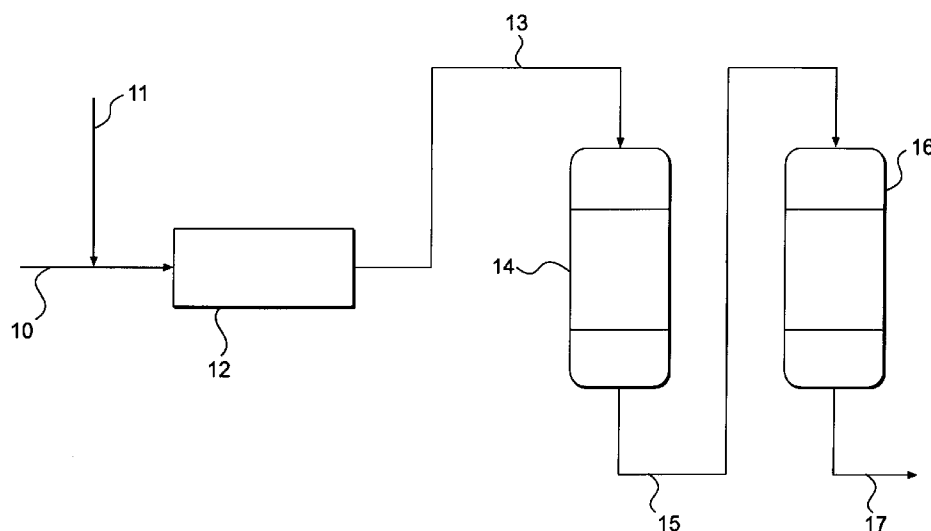


FIG. 1

(57) Abstract: A method for removing ionic, organic and elemental mercury from aqueous streams such as wastewater streams from hydrocarbon processing. The method comprises four primary removal steps. First, a mercury precipitant is added to the stream to convert dissolved ionic species of mercury water-insoluble form. The majority of these precipitated solids, as well as other forms of particulate mercury, are subsequently removed by means of gas flotation. Following the flotation step, additional particulate and precipitated ionic mercury removal is accomplished with media filtration and finally, activated carbon acts to remove the remaining dissolved ionic mercury species as well as elemental and organic forms of mercury.

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