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(54) Title: SCREENING ASSEMBLY AND PROCESS FOR SCREENING POLYMER FROM AN EFFLUENT STREAM AT RE-  
DUCED LEVELS OF POLYMER ENTRAINMENT

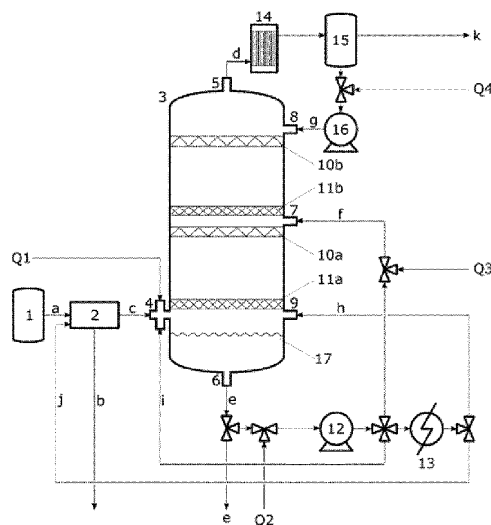


Figure 5: Screening assembly according to the most preferred embodiment of the present invention.

(57) Abstract: The present invention is concerned with a screening assembly comprising a separating device connected to a conduit for an effluent stream comprising a polymer and a mixture of hydrocarbons, wherein the separating device is configured to separate the effluent stream into a polymer-rich stream and a polymer-lean vapor stream, wherein the first separation device comprises an inlet, a first outlet for withdrawing a polymer-rich stream, and a second outlet for withdrawing a polymer-lean vapor stream, a screening device connected to the separating device via a conduit for the polymer-lean vapor stream, wherein the screening device comprises a first inlet connected to the conduit for the polymer-lean vapor stream, a first outlet for withdrawing a cleaned vapor stream, a second outlet for withdrawing a polymer-comprising condensed vapor stream, and at least one second inlet for introducing a condensed vapor stream.

[Continued on next page]

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