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(54) Title: PROCESS AND APPARATUS FOR PURIFYING A HYDROCARBON STREAM COMPRISING LINEAR ALPHA-OLEFINS (LAO) FROM AMINES

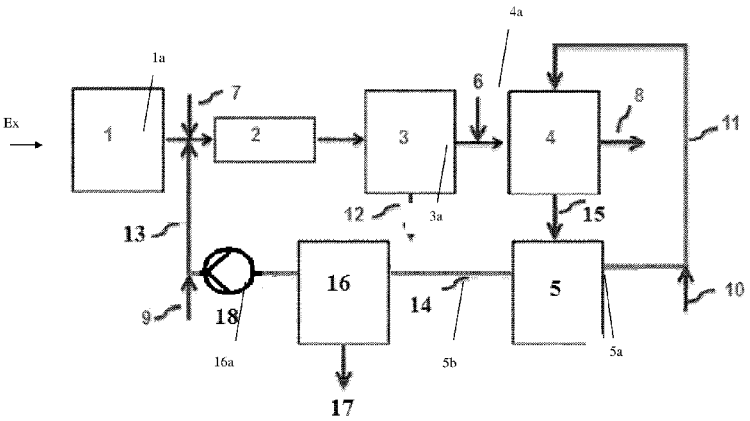


FIG. 4

(57) Abstract: A process for purifying linear a-olefins, comprises: providing an organic phase comprising a linear a-olefin; providing an alkaline aqueous phase I; providing an amine; mixing the linear a-olefin, alkaline aqueous phase I, and amine; separating the aqueous phase I from the organic phase; adding water to the organic phase thereby forming an aqueous phase II; bringing into contact the organic phase with carbon dioxide; separating the aqueous phase II which comprises a solid formed in the organic phase when contacted with carbon dioxide; wherein the purified linear a-olefins are obtained in the organic phase.

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