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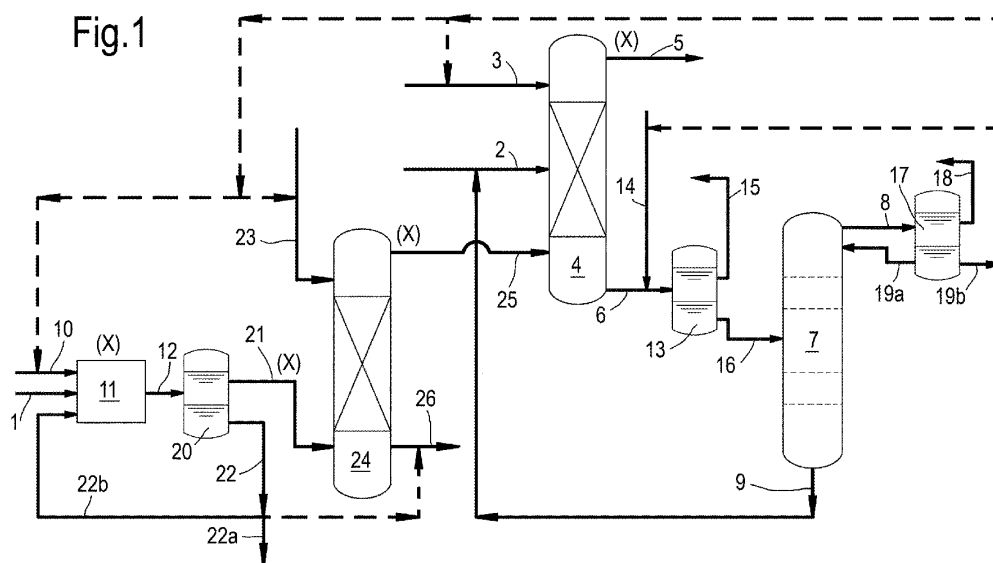
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(54) Title: RECOVERY OF ALIPHATIC HYDROCARBONS

Fig.1



(57) Abstract: The invention relates to a process for the recovery of aliphatic hydrocarbons from a liquid stream comprising aliphatic hydrocarbons, heteroatom containing organic compounds and optionally aromatic hydrocarbons, involving a) contacting said liquid stream with a washing solvent thereby removing heteroatom containing organic compounds; b) liquid-liquid extraction of the washed stream with an extraction solvent; wherein during step a) and/or between multiple steps a) and/or between steps a) and b) and/or after step b), heteroatom containing organic compounds, optional aromatic hydrocarbons and optional other contaminants are removed from said liquid stream and/or from a washed stream resulting from step a) and/or from a raffinate stream resulting from step b), respectively, by contacting the latter stream(s) with a sorption agent. Further, the invention relates to a process for the recovery of aliphatic hydrocarbons from plastics comprising the above-mentioned process; and to a process for steam cracking a hydrocarbon feed comprising aliphatic

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hydrocarbons as recovered in one of the above-mentioned processes.