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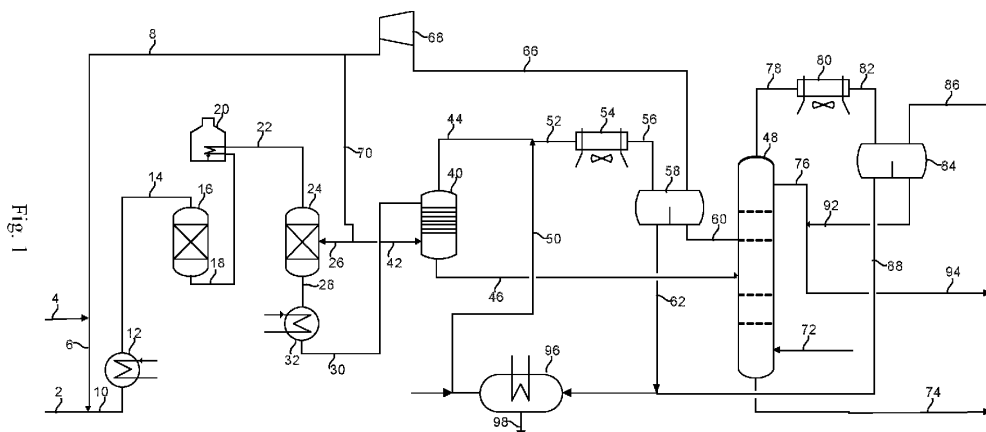
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(54) Title: PROCESS FOR TREATING A FEEDSTOCK COMPRISING HALIDES



(57) Abstract: A broad aspect of the present disclosure relates to a process and a system for conversion of a hydrocarbonaceous feed comprising at least 10 ppm_w, 100 ppm_w or 500 ppm_w and less than 1000 ppm_w, 5000 ppm_w or 10000 ppm_w of one or more halides, and at least 20 ppm_w, 100 ppm_w or 500 ppm_w and less than 1000 ppm_w, 5000 ppm_w or 10000 ppm_w organically bound nitrogen, to a hydrocarbon product stream by hydrotreatment, in the presence of a material catalytically active in hydrotreatment and an amount of hydrogen, wherein said hydrocarbon product stream comprises an amount of ionic halides and an amount of ammonia, said process comprising the steps of a) separating in a first separation step at a first separation temperature the mixed product stream to provide an overhead stream and a bottoms stream, b) combining the overhead stream with an amount of wash water and c) separating in a second separation step the combined overhead stream and wash water in a non-polar stream of hydrocarbon product and a polar stream of wash water comprising ammonium halides, characterized in that the first separation temperature being above the precipitation temperature of the ammonium halides present in the mixed product stream. This has the associated benefit of such a method removing chloride and other halides from the bottoms

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stream from the first separation step and from the non-polar stream of the second separation step, while maintaining a temperature where ammonia and halides are gaseous until an amount of water is available to collect ammonium halides in solution, and thus avoid precipitation of solid ammonium halides on the inner surfaces of the process equipment, by either keeping it in the gas phase or dissolved in liquid water. Furthermore, by the separation before the addition of wash water, the amount of hydrocarbons associated to the stream to be washed by an amount of water is reduced, and thus amount of water required for this washing is also reduced.