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(54) Title: METHODS AND SYSTEMS TO REMOVE POLAR MOLECULES FROM REFINERY STREAMS

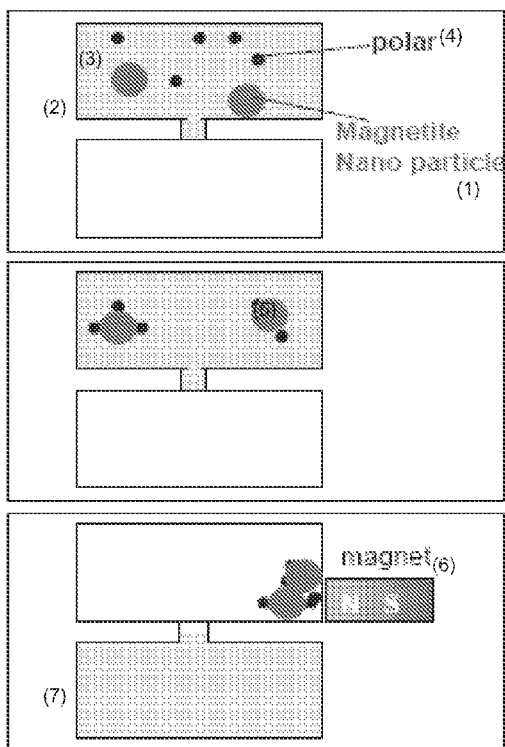


Fig. 1

(57) Abstract: The present invention relates to methods and systems for removing polar molecule contaminants from a refinery stream in connection with the processing of hydrocarbon fluids, chemicals, whole crude oils, blends and fractions in refineries and chemical plants that include adding high surface energy and/or high surface area nanoparticle compounds to a refinery stream to remove the polar molecule contaminants.



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