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(54) Title: HYDROPROCESSING OF HEAVY HYDROCARBON FEEDS USING SOLVENT DILUTION

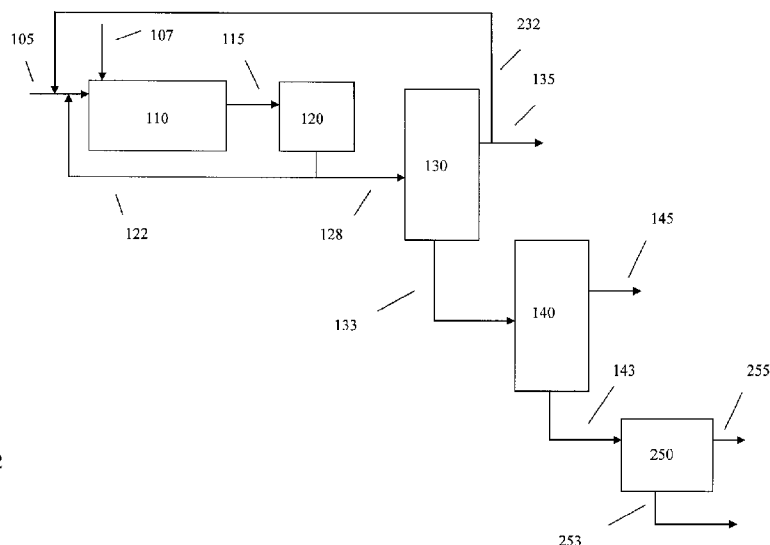


FIG. 2

(57) Abstract: Heavy oil feeds are hydroprocessed in the presence of a solvent under conditions that provide a variety of benefits. The solvent can be an added solvent or a portion of the liquid effluent from hydroprocessing. The processes allow for lower pressure processing of heavy oil feeds for extended processing times or extended catalyst lifetimes by reducing or mitigating the amount of coke formation on the hydroprocessing catalyst.

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