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(54) Title: METHOD AND SYSTEM OF UPGRADING HEAVY OILS IN THE PRESENCE OF HYDROGEN AND A DISPERSED CATALYST

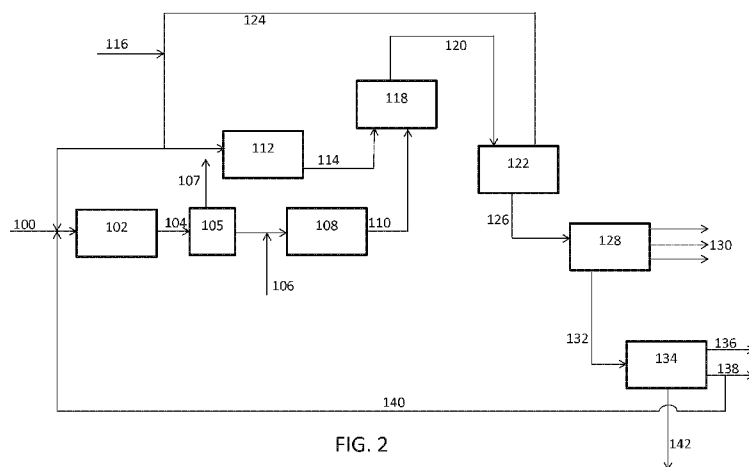


FIG. 2

(57) Abstract: Methods and systems are provided for pretreating a heavy oil feed to a hydrocracker, such as a slurry hydrocracker to partially convert the stream and/or to convert catalyst precursors in the stream to catalytically active particles by hydrodynamic cavitation.