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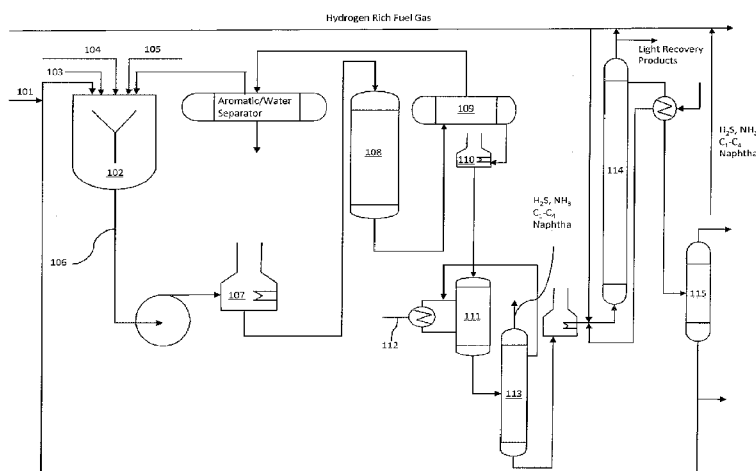
(54) Title: METHOD FOR ENHANCED UPGRADING OF HEAVY OIL BY ADDING A HYDROTREATING STEP TO AN UP-
GRADING PROCESS

FIG. 1

(57) Abstract: The invention relates to methods for enhancing the upgrading of heavy oils. In essence, a hydrotreating step is added to an upgrading process, so that process severity can be increased, product yields and quality improve, and hydrogen can be produced and serve as a source for the entire process.