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(71) Applicant: **CHEVRON U.S.A. INC.** [US/US]; 6001
Bollinger Canyon Road, San Ramon, CA 94583 (US).

(72) Inventors: **KOMALARAJUN, Varut**; c/o Chevron Cor-
poration, P.O. Box 6006, San Ramon, CA 95483 (US).
MAESEN, Theodorus Ludovicus Michael; c/o Chevron
Corporation, P.O. Box 6006, San Ramon, CA 95483 (US).

(74) Agent: **HAYWORTH, Melissa M.** et al.; Merchant &
Gould, P.O. Box 2903, Minneapolis, MN 55402 (US).

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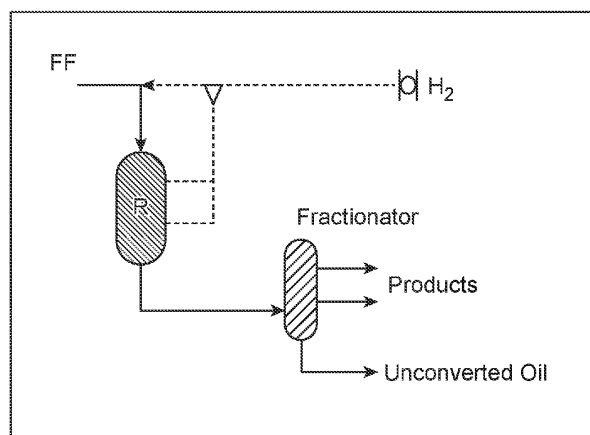


FIG. 1

(57) Abstract: A hydrocracking process for converting a petroleum feed to lower boiling products. The process comprises hydrotreating a petroleum feed in a pre-treating zone in the presence of hydrogen to produce a hydrotreated effluent stream comprising a liquid product. At least a portion of the hydrotreated effluent stream is then passed to an MMS catalyst zone, and then to a hydrocracking zone. In one embodiment, the MMS catalyst zone comprises a self-supported multi-metallic catalyst prepared from a precursor in the oxide or hydroxide form. The percentage work of the hydrotreating in the pre-treating zone is maintained at a level of at least 56%.



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