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(71) Applicant: **SAUDI ARABIAN OIL COMPANY** [SA/SA]; Box 5000, Dhahran, 31311 (SA).

(72) Inventors; and
(71) Applicants *(for US only)*: **KOSEOGLU, Omer, Refa** [US/SA]; P.o. Box 8560, Saudi Aramco, Dhahran, 31311 (SA). **RANC, Alain, Paul** [FR/SA]; P.o. Box 5926, Saudi Aramco, Dhahran, 31311 (SA).

(74) Agent: **CRISPINO, Ralph, J.**; Abelman, Frayne & Schwab, 666 Third Avenue, New York, NY 10017-5621 (US).

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(54) **Title**: INTEGRATED EBULLATED-BED PROCESS FOR WHOLE CRUDE OIL UPGRADING

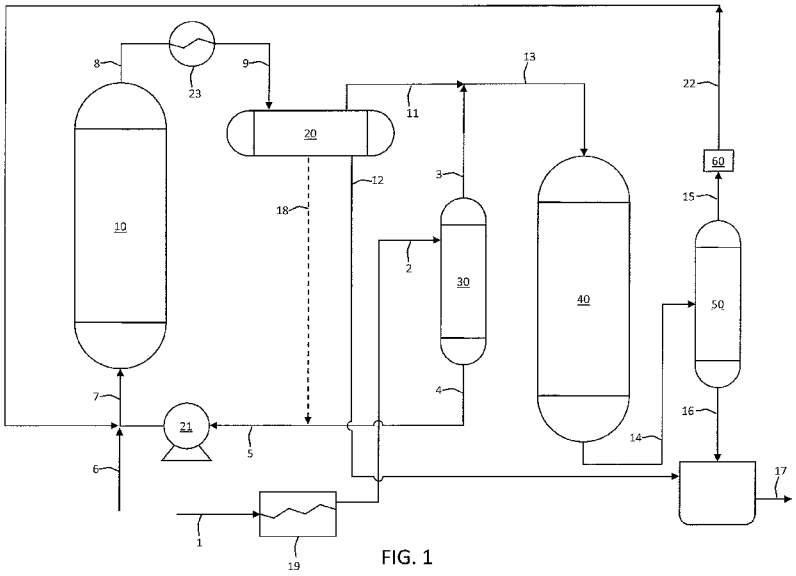


FIG. 1

(57) **Abstract**: A system and process for upgrading a whole crude oil feed in an integrated ebullated-bed and hydrotreater is provided in which the whole crude oil is flashed into a flashed straight run distillates fraction and an atmospheric residue fraction. The atmospheric residue fraction is hydroprocessed in an ebullated-bed reaction zone, while the flashed straight run distillates fraction and the products fraction produced from the ebullated-bed reaction zone are hydrotreated in a fixed-bed reaction zone. Distillates from the hydrotreater and the unconverted residue fraction from the ebullated-bed reaction zone can be combined to produce an upgraded synthetic crude oil.

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