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(71) Applicant (for all designated States except US): **EXXON-MOBIL RESEARCH AND ENGINEERING COMPANY** [US/US]; 1545 Route 22 East, P.O. Box 900, Annandale, New Jersey 08801-0900 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MEYER, Douglas, S.** [US/US]; 3206 Garth Road, Baytown, Texas 77521 (US). **BRONS, Glen, B.** [US/US]; 43 Harwich Road, Phillipsburg, New Jersey 08865 (US). **VICK, Ryan, E.** [US/US]; 11308 Hidden Bay Drive, Pearland, Texas 77584 (US). **BRYANT, Douglas, P.** [US/US]; 4822 Geraldine Street, Seabrook, Texas 77586 (US). **NOVOSAD, Gary, L.** [US/US]; 902 Friars Lane, Baytown, Texas 77521 (US).

(74) Agents: **PURWIN, Paul, E.** et al.; EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, 1545 Route 25 East, P.O. Box 900, Annandale, New Jersey 08801-0900 (US).

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(54) Title: ON-LINE HEAT EXCHANGER CLEANING METHOD

(57) Abstract: A method for the on-line cleaning of a heat exchanger used with petroleum process fluids which create coke deposits of asphaltenic origin on the exchanger tubes. The asphaltenes are removed by re-dissolution in a solvent oil of high solubility power for the asphaltenes. Certain asphaltenic crudes are useful as solvents in view of their chemical similarity to the asphaltene coke precursors; also useful are refined petroleum fractions such as gas oils which are also characterized by their solvency for asphaltenes. The solvent oil may be admitted to the heat exchanger following withdrawal of the process fluid and then allowed to soak and dissolve the asphaltene coke precursors after which the resulting solution may be withdrawn and the exchanger returned to use without being at any time disconnected from its associated process unit.

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