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

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ELOMARI, Saleh** [US/US]; 905 Antiquity Drive, Fairfield, CA 94534 (US).
MILLER, Stephen, J. [US/US]; 520 45th Avenue, San Francisco, CA 94121 (US).

(74) Agents: **ABERNATHY, Susan, M.** et al.; Chevron Corporation, Law Department, Post Office Box 6006, San Ramon, CA 94583-0806 (US).

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(54) Title: BASE OIL COMPOSITION COMPRISING OLIGOMERIZED OLEFINS

(57) Abstract: We provide a base oil, comprising one or more oligomerized olefins, wherein the base oil has: a. a kinematic viscosity at 100 °C greater than 2.9 mm²/s; b. a viscosity index from 25 to 90; and c. a cloud point less than -55 °C. We provide a base oil made by oligomerizing propylene in an ionic liquid catalyst, where the base oil has a viscosity index from 25 to 90 and the base oil is colorless. We also provide a base oil made by oligomerizing an olefin feed comprising propylene in an acidic alkylpyridinium chloroaluminate ionic liquid, wherein the base oil has a viscosity index at 100 °C greater than 2.9 mm²/s, a viscosity index from 25 to 90, and a cloud point less than -55 °C.

