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

(71) Applicant (for AG only): **ARAMCO SERVICES COMPANY** [US/US]; 1200 Smith Street, Two Allen Building, Houston, Texas 77002 (US).

(72) Inventors: **ALFILFIL, Lujain R.**; c/o Saudi Arabian Oil Company, Post Office 5000, Dhahran, 31311 (SA). **AL-MAJNOUNI, Khalid Ali**; c/o Saudi Arabian Oil Company, Post Office Box 5000, Dhahran, 31311 (SA). **OSORIO,**

Isidoro Morales; c/o Saudi Arabian Oil Company, Post Office Box 5000, Dhahran, 31311 (SA).

(74) Agent: **HENDERSON, Luke A.** et al.; DINSMORE & SHOHL LLP, Fifth Third Center, One South Main Street, Suite 1300, Dayton, Ohio 45402 (US).

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(54) Title: CATALYST COMPOSITIONS THAT INCLUDE ZEOLITES WITH DIFFERENT SILICA TO ALUMINA MOLAR RATIOS

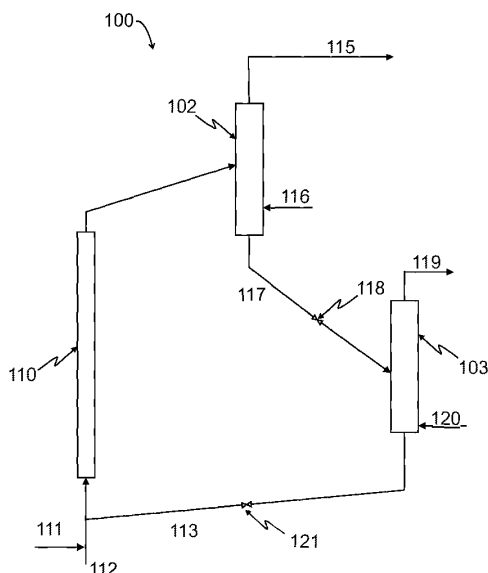


Fig. 1

(57) Abstract: According to embodiments a catalyst composition may include from 10 wt.% to 50 wt.% of matrix material, from 10 wt.% to 30 wt.% of binder, and from 30 wt.% to 70 wt.% of a zeolite mixture. The zeolite mixture may comprise at least a first portion of zeolite and a second portion of zeolite. The first portion of zeolite may consist of zeolite having a silica to alumina molar ratio in a first range and the second portion of zeolite may consist of zeolite having a silica to alumina molar ratio in a second range. The silica to alumina molar ratio range of the first portion of zeolite and the silica to alumina molar ratio range of the second portion of zeolite do not overlap and may be separated by at least 5.

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