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(74) Agents: MICKELSON, Edward, T. et al.; Chevron Corporation, Law Department, Post Office Box 6006, San Ramon, CA 94583-0806 (US).

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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) Inventor; and

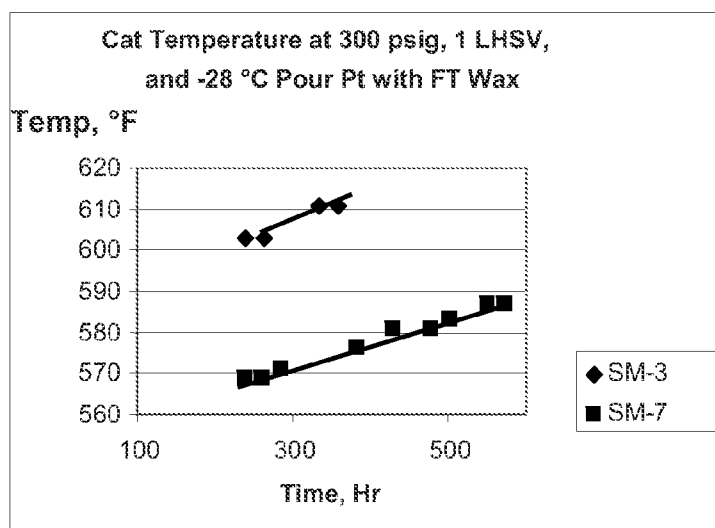
(75) Inventor/Applicant (for US only): MILLER, Stephen, J. [US/US]; 520 45th Avenue, San Francisco, CA 94121 (US).

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(54) Title: SYNTHESIS OF A CRYSTALLINE SILICOALUMINOPHOSPHATE

Figure 1



(57) Abstract: The present invention is a method for synthesizing non-zeolitic molecular sieves which have a three dimensional microporous framework comprising [AlO₂] and [PO₂] units. In preparing the reaction mixture, a surfactant is used, coupled with non-aqueous impregnation to prevent acid sites from being destroyed by water during Pt impregnation. The superior SAPO exhibits higher activity and selectivity especially in catalytic hydroisomerization of waxy feeds, due to the presence of medium-sized silica islands distributed throughout the SAPO.



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