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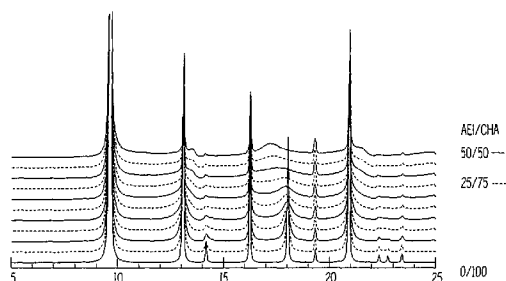
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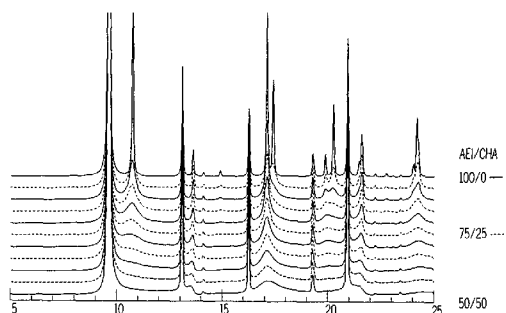
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[Continued on next page]

(54) Title: CHABAZITE-CONTAINING MOLECULAR SIEVE, ITS SYNTHESIS AND ITS USE IN THE CONVERSION OF OXYGENATES TO OLEFINS



a



b

(57) Abstract: A crystalline material substantially free of framework phosphorus and comprising a CHA framework type molecular sieve with stacking faults or at least one intergrown phase of a CHA framework type molecular sieve and an AEI framework type molecular sieve, wherein said material, in its calcined, anhydrous form, has a composition involving the molar relationship: $(n)X_2O_3:YO_2$, wherein X is a trivalent element; Y is a tetravalent element; and n is from 0 to about 0.5. The material exhibits activity and selectivity in the conversion of methanol to lower olefins, especially ethylene and propylene.



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