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(54) Title: METHODS OF MODIFYING ZEOLITE BETA MATERIALS

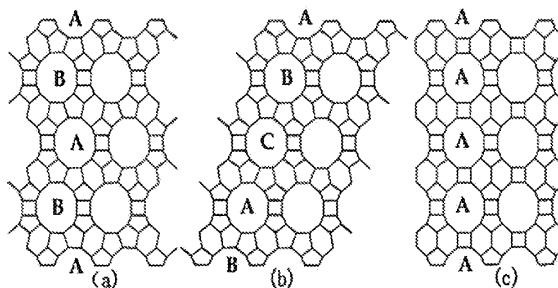


FIG. 1

(57) Abstract: According to one or more embodiments, a zeolite beta material may be made by a method that may include adding a parent zeolite beta in a basic solution to form a basic zeolite beta suspension, adding water to the basic zeolite beta suspension to form a dilute basic zeolite beta suspension, hydrothermally treating the dilute basic zeolite beta suspension to form a hydrothermally treated mixture, and separating from the hydrothermally treated mixture a solid zeolite beta material consisting essentially of polymorph-A and polymorph-B. The molar ratio of polymorph-A to polymorph-B of the solid zeolite beta material is greater than molar ratio of polymorph-A to polymorph-B of the parent zeolite beta.

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