

SYNTHESIS OF ZEOLITES (MFI, CHA, STF AND MTW) AND ENCAPSULATION OF METAL CLUSTERS WITHIN MFI BY INTERZEOLITE TRANSFORMATIONS WITHOUT ORGANIC STRUC ...

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PATENT STATUS

| Country | Type | Number | Dated | Case |
|--------------------------|-----------------------|-----------|------------|----------|
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Additional Patents Pending

BRIEF DESCRIPTION

This is a method of converting lower framework density zeolites into high Si/Al ratio zeolites having a higher framework density value, without the use of organic SA.

SUGGESTED USES

It can lower the framework density of a zeolite that can be converted into a higher framework density zeolite and then converting into a high Si/Al ration zeolite, that is, at lease a ration of 10.

ADVANTAGES

This conversion can be conducted in the absence of the OSDA. The conversion is achieved by direct hydrothermal synthesis. It eliminates the costly DDA and waste treatment at the plant, thereby, making the process more cost efficient and less equipment intensive.

RELATED MATERIALS

CONTACT

Craig K. Kennedy
craig.kennedy@berkeley.edu
tel: .



INVENTORS

» Iglesia, Enrique

OTHER INFORMATION

KEYWORDS

zeolites

CATEGORIZED AS

» **Materials & Chemicals**

» Chemicals

RELATED CASES

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