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(54) Title: CATALYST COMPOSITIONS AND THEIR USE IN HYDROCARBON CONVERSION PROCESSES

(57) Abstract

The present invention provides a catalyst composition, and a hydrocarbon conversion process using it, which comprises a molecular sieve having a structure substantially the same as zeolite Y, a unit cell constant (a_0) less than or equal to 2.485 nm and a mesopore volume, contained in mesopores having a diameter in the range from 2 to 60 nm, of at least 0.05 ml/g, and a binder, wherein the relationship between the unit cell constant (a_0) and the mesopore volume is defined as in table (I).