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(54) **SCM-38 MOLECULAR SIEVE, PREPARATION METHOD THEREFOR, AND USE THEREOF**

(57) The present invention discloses a SCM-38 molecular sieve and preparation process and use thereof. The SCM-38 molecular sieve is a phosphorus-aluminium or silicon-phosphorus-aluminium molecular sieve, the SCM-38 molecular sieve shows the following diffraction peak feature in its XRD spectrum: X-ray diffraction peaks appear at 2θ of 7.20±0.1, 10.81±0.1, 11.60±0.1, 14.32±0.1, 21.39±0.1, 21.83±0.1, 27.31±0.1, 28.72±0.1, wherein the most intense peak appears at 2θ of 7.20±0.1. The SCM-38 molecular sieve of the present invention can be used in catalysts.

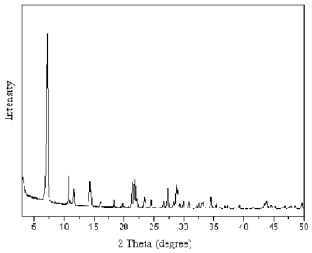

Fig. 3

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