

organic polymer or of silica, suitably functionalised. Addition of a magnetic layer beneath the functionalised surface makes it easy to recover the catalyst.

US 6,815,390, 9 Nov 2004, Merck Patent GmbH, Darmstadt, Germany

Oxides having both meso- and micro-porosity

The starting materials are amorphous silica or alumina, a zeolite, and an

organic template such as triethanolamine.

US 6,814,950, 9 Nov 2004, ABB Lummus Global Inc, Bloomfield, NJ, USA, and Tech. Univers. Delft, Delft, The Netherlands

Heterogeneous acid catalyst

Cesium phosphotungstate carried on zeotype MCM 41 is an effective heterogeneous acid catalyst, eg for aromatic alkylations.

US 6,815,392, 9 Nov 2004, Battelle Memorial Institute, Richland, WA, USA

BOOKSHELF

Polymeric materials in organic synthesis and catalysis

The first book to describe the synthesis and characterisation of the materials used in polymer-supported synthesis.

M.R. Buchmeiser (ed), 2003, Wiley-VCH, Weinheim
ISBN 3-527-30630-7, 582 pp, £115

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