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(54) Title: HIERARCHICALLY ORDERED CRYSTALLINE MICROPOROUS MATERIALS WITH LONG-RANGE MESO-
POROUS ORDER HAVING HEXAGONAL SYMMETRY

(57) Abstract: A composition of matter is provided comprising hierarchically ordered crystalline microporous material having well-
defined long-range mesoporous ordering of hexagonal symmetry. The composition possesses mesopores having walls of crystalline
microporous material and a mass of mesostructure between mesopores of crystalline microporous material. Long-range ordering is
defined by presence of secondary peaks in an X-ray diffraction (XRD) pattern and/or hexagonal symmetry observable by microscopy.

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