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(54) Title: POROUS CRYSTALLINE MATERIALS, THEIR SYNTHESIS AND USE

(57) Abstract: A porous crystalline material has a tetrahedral framework comprising a general structure, M^1 -IM- M^2 , wherein M^1 comprises a metal having a first valency, wherein M^2 comprises a metal having a second valency different from said first valency, and wherein IM is imidazolate or a substituted imidazolate linking moiety.



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