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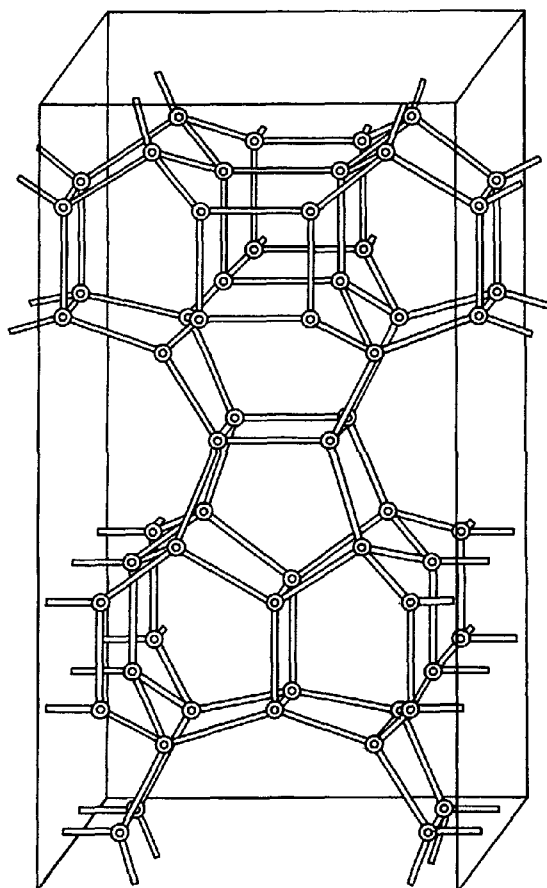
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(54) Title: SYNTHETIC POROUS CRYSTALLINE MATERIAL ITQ-13, ITS SYNTHESIS AND USE



(57) Abstract: A new synthetic porous crystalline material, designated ITQ-13, is disclosed having, in its calcined form, the X-ray diffraction pattern of Table 2 above. Also disclosed are methods of making ITQ-13 in its silicate and borosilicate forms in the presence of HF using hexamethonium dihydroxide as a directing agent and hydolyzed tetraethylorthosilicate as a silica source. Aluminum-containing ITQ-13 can be produced by Al exchange of the borosilicate material. ITQ-13 is useful as an acid catalyst and as an adsorbent.



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