Process For Preparing A Titanium-Containing Zeolitic Material Having An MWW Framework Structure

Abstract

A process for the preparation of a titanium-containing zeolitic material having an MWW framework structure, the process comprising (i) providing a zeolitic material having an MWW framework structure comprising SiO_2 and B_2O_3, (ii) incorporating titanium into the zeolitic material provided in (i) comprising (ii.1) preparing an aqueous synthesis mixture containing the zeolitic material provided in (i), an MWW template compound and a titanium source, (ii.2) hydrothermally synthesizing a titanium-containing zeolitic material having an MWW framework structure from the aqueous synthesis mixture prepared in (ii.1), obtaining a mother liquor comprising the titanium-containing zeolitic material having an MWW framework structure; (iii) spray-drying the mother liquor obtained from (ii.2) comprising the titanium-containing zeolitic material having an MWW framework structure.

(No suitable figure)