

Title (en)  
METHOD FOR PREPARING A MEL-TYPE TITANIUM SILICALITE, RESULTING PRODUCT AND USES IN CATALYSIS

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES TITANSILIKALITS DES MEL-TYPS, UND DESSEN VERWENDUNGEN IN DER KATALYSE

Title (fr)  
PROCEDE DE PREPARATION D'UNE SILICALITE DE TITANE DE TYPE MEL, PRODUIT OBTENU ET SES APPLICATIONS EN CATALYSE

Publication  
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Application  
**EP 99949045 A 19991013**

Priority  
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• FR 9813078 A 19981019

Abstract (en)  
[origin: FR2784672A1] The preparation of the titanium silicalite (TS2) involves a relatively short crystallisation time and small amounts of structuring agents, and is thus applicable on an industrial scale. The process comprises the stages: (a) impregnation of an amorphous xerogel (TiO<sub>2</sub> - SiO<sub>2</sub>) with a solution containing a structuring agent comprising at least one 3,5-dimethyl piperidinium-type compound and a mobility agent OH<sup>-</sup>; (b) heating of the reaction mixture to the crystallisation temperature of the zeolite; and (c) recovery and calcination of the zeolite obtained. Independent claims are also included for the silicalite formed and its catalytic uses.

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Cited by  
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