Title (en)

TITANO-SILICO-ALUMO-PHOSPHATE

Title (de)

TITANO-SILICO-ALUMO-PHOSPHAT

Title (fr)

TITANO-SILICO-ALUMO-PHOSPHATE

Publication

EP 2655256 A2 20131030 (DE)

Application

EP 11819094 A 20111221

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- EP 2011073686 W 20111221

Abstract (en)

[origin: WO2012085150A2] The invention relates to a titano-silico-alumo-phosphate which contains tetradrically coordinated titanium in the framework, which comprises a free coordination point for CO, which can be detected by means of a characteristic IR-band at 2192 ± 5 cm-1. Said titano-silico-alumo-phosphate displays exceptionally high hydrothermal stability and has a good adsorption capacity even at high temperatures. Based on the high hydrothermal stability, the titano-silico-alumo-phosphate can be obtained by a hydrothermal method from a synthesis gel mixture made of an aluminium, phosphor, silicon and a titanium source, and corresponding templates.

IPC 8 full level

C01B 37/06 (2006.01); **C01B 39/54** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2012085150A2

Citation (examination)

US 6153798 A 20001128 - HIDAKA TOSHIO [JP], et al

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