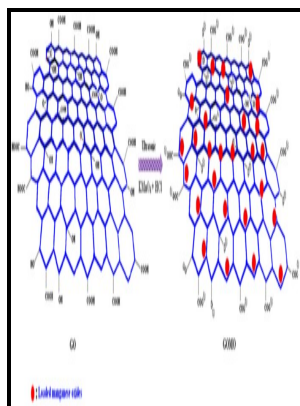


# Selective Recovery of Arsenic From Aqueous Solutions with Hydrated Titanium Dioxide.

s.n - US4107264A



Description: -

-Selective Recovery of Arsenic From Aqueous Solutions with Hydrated Titanium Dioxide.

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Information circular (United States. Bureau of Mines) -- 7914

Information circular (United States. Bureau of Mines) -- 6346

Report of investigations (United States. Bureau of Mines) --

8756 Selective Recovery of Arsenic From Aqueous Solutions with Hydrated Titanium Dioxide.

Notes: 1

This edition was published in 1982



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Tags: #Synthesis #of #PAN/ferrocyanide #composite #incorporated #with #cetrimonium #bromide #and #its #employment #as #a #bifunctional #adsorbent #for #coremoval #of #Cs #+ #and #HCrO #4 #- #from #aqueous #solutions

## Adsorption Mechanism of Arsenic on Nanocrystalline Titanium Dioxide

The resulting suspension was cooled down to room temperature and then washed several times with deionized water to remove impurities. International Preliminary Report on Patentability for International PCT Application No. The fluorinating agent is used in a stoichiometric amount or in stoichiometric excess up to 50% with reference to the fluorination reactions of reactive titanomagnetite concentrate components.

## Synthesis, characterization and adsorption behavior of Mo(VI) and W(VI) ions on titanium dioxide nanoparticles containing anatase modification

Adsorption of Mo VI and W VI ions from water with nanosized anatase has been studied. The mechanism is further augmented by the fact that the pH of the solution had increased or almost no change had taken place after arsenic adsorption.

## Synthesis, characterization and adsorption behavior of Mo(VI) and W(VI) ions on titanium dioxide nanoparticles containing anatase modification

Marjanovic V, Lazarevic S, Jankovic-Castvan I, Potkonjak B, Janackovic Đ, Petrovic R 2011 Chromium VI removal from aqueous solutions using mercaptosilane functionalized sepiolites. Journal of Colloid and Interface Science 2016, 468 , 334-346. The Nb<sup>5+</sup>-doped TiO<sub>2</sub> NPs with Nb dopants of 0.5 mol % are prepared by directly mixing TiO<sub>2</sub> slurry with Nb<sub>2</sub>O<sub>5</sub> gel obtained by UV treatment of a mixture of NbCl<sub>5</sub> powder, ethanol and water in a certain ratio, following by heat treatment without using hydrothermal method.

## A Review of the Production Cycle of Titanium Dioxide Pigment

The CCAD product stream was 7. The composition of matter of claim 13 wherein the material to which zirconium has been impregnated comprises clinoptilolite. It was then dried in an oven at 105 °C for 24 h.

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Raj, Decolourization of industrial effluents-available methods and emerging technologies-a review, Rev. The loading capacity of arsenic on the granules was 14 wt-pct when synthetic solutions were used, but lower when actual leach solutions were used.

**US Patent Application for PROCESS FOR SELECTIVE ADSORPTION AND RECOVERY OF LITHIUM FROM NATURAL AND SYNTHETIC BRINES Patent Application (Application #20190256368 issued August 22, 2019)**

Before proceeding to a detailed description of the invention, however, it should be noted and remembered that the description of the invention which follows, together with the accompanying drawings, should not be construed as limiting the invention to the examples or embodiments shown and described. Islam, Yingchun Liu, Shulan Ma, and Mercouri G. The combination of ammonium and hydroxyl ions thus forms ammonium hydroxide, which can then be drawn off from the assembly for recycle in the process.

**Magnetic materials and magnetic separation of dyes from aqueous solutions: a review**

Simultaneously removal of inorganic arsenic species from stored rainwater in arsenic endemic area by leaves of *Tecomella undulata*: a multivariate study.

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