

Title (en)
PURE TITANIUM DIOXIDE HYDRATE AND A PROCESS FOR THE PRODUCTION THEREOF

Title (de)
REINE TITANDIOXID HYDRAT UND VERFAHREN ZU SEINER HESTELLUNG

Title (fr)
HYDRATE DE DIOXYDE DE TITANE ET PROCEDE DE PRODUCTION DE CELUI-CI

Publication
EP 1060127 A1 20001220 (EN)

Application
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Priority
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• IB 9900272 W 19990216

Abstract (en)
[origin: DE19806471A1] Titanium dioxide hydrate which contains less than 250 ppm sulfate ions and less than 50 ppm ammonium or alkali metal ions with respect to TiO_2 is obtained by producing an aqueous suspension with sulfate-containing titanium dioxide hydrate with 2 to 18 % by weight, preferably 5 to 15 % by weight solid calculated as TiO_2 , the sulfate content of the suspension calculated as H_2SO_4 is determined, 95 to 100.1 mol % of the stoichiometric amount of ammonia or alkali metal hydroxide necessary for the neutralization of the calculated H_2SO_4 amount is added under stirring, the suspension is filtered after stirring period of 5 to 60 minutes, preferably 10 to 30 minutes, and is washed with low-salt, preferably deionized, water and a diffusion wash with deionized water is carried out at a pressure of 3 to 5 bar is then performed.

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C01G 23/047; **C01G 23/053**

IPC 8 full level
C01G 23/047 (2006.01); **C01G 23/053** (2006.01)

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