

Title (en)

Process for recovering titanium dioxide fines.

Title (de)

Verfahren zum Rückgewinnen von feinteiligem Titandioxid.

Title (fr)

Procédé de récupération de fines de dioxyde de titane.

Publication

EP 0318231 A1 19890531 (EN)

Application

EP 88311004 A 19881121

Priority

US 12568587 A 19871125

Abstract (en)

A process for recovering titanium dioxide from a feed comprising titanium dioxide fines is disclosed. The process comprises the steps of (A) separating particulate matter having a Tyler Standard screen size of about 6 or larger from said feed; (B) removing liquid from said feed; (C) dividing said feed into (i) a concentrate having a relatively high concentration of titanium dioxide, (ii) middlings having a lower concentration of titanium dioxide than said concentrate, and (iii) tailings having a lower concentration of titanium dioxide than said middlings; and (D) removing liquid from said concentrate to form a product comprising titanium dioxide.

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C22B 34/12 (2006.01)

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C22B 34/1204 (2013.01); **C22B 34/1259** (2013.01)

Citation (search report)

- [A] DE 504843 C 19301023 - IG FARBENINDUSTRIE AG
- [A] CA 1088883 A 19801104 - PETRO CANADA EXPLORATION INC, et al
- [AD] LIST OF BUREAU OF MINES PUBLICATIONS AND ARTICLES, 1st January 1980 - 31st December 1984, page 88, no. RI 8737; J.I. PAIGE et al.: "Physical beneficiation of titanium plant solid wastes: recovery of titanium minerals and coke"

Cited by

EP0714992A1; WO2007127028A1; DE102008014722A1; US6138834A; US6666335B1; CN104190528A; CN104925862A; US6399033B1; AU2007243591B2; JP4819157B2; AU2007243591C1; US6892887B2; USRE38367E; US7943103B2

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