

Title (en)
TITANIUM, CERIUM AND ALKALINE OR EARTH-ALKALINE BASED COMPOUND, PREPARATION METHODS AND USE AS COLOURING PIGMENT

Title (de)
TITAN , CER UND ALKALIMETALL ODER ERDALKALIMETALL ENTHALTENDE VERBINDUNG , VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG ALS FARBPIGMENT

Title (fr)
COMPOSE A BASE DE TITANE, DE CERIUM ET D'ALCALIN OU D'ALCALINO-TERREUX, SES PROCEDES DE PREPARATION ET SON UTILISATION COMME PIGMENT COLORANT

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Abstract (en)
[origin: FR2764282A1] The invention concerns a compound based on titanium, cerium and alkaline or earth-alkaline, its preparation methods and use as colouring pigment, characterised in that it corresponds to formula (1) $MxCeyTizOt$ in which M represents an alkaline or earth-alkaline and x, y and z verify the following equations: $0.1 \leq y/z \leq 1.5$; $1 \leq (x+z)/y \leq 15$; $x+y+z = 1$; $(x+3y+4z)/2 \leq t \leq (x+4y+4z)/2$. The product can be prepared by forming a mixture comprising a salt, sol or suspension of titanium, a compound of element M and a cerium compound then drying and calcining the resulting mixture. In a second embodiment the mixture is prepared by bringing together a cerium compound and a titanium compound in a liquid medium; adding a base to the resulting mixture, thereby obtaining a precipitate; bringing together a compound of element M and the resulting precipitate; drying and calcining the resulting mixture.

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