

Title (en)

USE OF A BETA RARE EARTH SULPHIDE AS COLOURING PIGMENT AND METHOD FOR PREPARING SAME

Title (de)

VERWENDUNG EINES SELTENERDSULFIDS MIT BETA-MODIFIKATION ALS FARBSTOFF UNDVERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

UTILISATION COMME PIGMENT COLORANT D'UN SULFURE DE TERRE RARE DE FORME BETA ET SON PROCEDE DE PREPARATION

Publication

EP 0948459 A1 19991013 (FR)

Application

EP 97945900 A 19971110

Priority

- FR 9702018 W 19971110
- FR 9614058 A 19961119

Abstract (en)

[origin: FR2755971A1] The invention concerns the use of a beta rare earth sulphide as colouring pigment and its method of preparation. A beta rare earth sulphide is used, the rare earth being lanthanum, cerium, praseodymium, samarium or neodymium. The sulphide consists of whole crystallites, said crystallites forming medium-sized aggregates of not more than 1.5 μ m. The method of preparation of this rare earth sulphide is characterised in that a rare earth compound is reacted with at least one sulphidising gas selected among hydrogen sulphide or carbon sulphide. The pigment can be part of compositions of the following types: plastic, paint, surface coating, rubber, ceramic, glazing, paper, ink, cosmetic products, dyes, leather, laminated coating or other types of compositions with a base of at least one mineral binder or obtained therefrom.

IPC 1-7

C01F 17/00; **C09C 3/06**; **C08K 3/30**; **C04B 14/36**

IPC 8 full level

C04B 14/02 (2006.01); **C01F 17/00** (2006.01); **C04B 14/36** (2006.01); **C08K 3/30** (2006.01); **C09C 1/00** (2006.01); **C09D 7/61** (2018.01); **C09D 11/00** (2014.01); **D21H 21/28** (2006.01)

CPC (source: EP KR US)

C01F 17/10 (2020.01 - KR); **C01F 17/288** (2020.01 - EP KR); **C08K 3/30** (2013.01 - EP KR); **C09C 1/00** (2013.01 - EP KR US); **C09D 7/61** (2018.01 - EP KR US); **C09D 7/68** (2018.01 - EP); **C09D 7/69** (2018.01 - EP); **C01P 2002/60** (2013.01 - EP); **C01P 2004/03** (2013.01 - EP); **C01P 2004/50** (2013.01 - EP); **C01P 2004/51** (2013.01 - EP); **C01P 2004/61** (2013.01 - EP); **C01P 2004/62** (2013.01 - EP); **C01P 2006/60** (2013.01 - EP); **C01P 2006/62** (2013.01 - EP); **C01P 2006/63** (2013.01 - EP); **C01P 2006/64** (2013.01 - EP); **C01P 2006/65** (2013.01 - EP); **C08K 2003/3009** (2013.01 - KR)

Designated contracting state (EPC)

BE CH DE ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

FR 2755971 A1 19980522; **FR 2755971 B1 19990305**; AU 5123698 A 19980610; AU 729959 B2 20010215; CA 2272459 A1 19980528; CN 1087273 C 20020710; CN 1241987 A 20000119; EP 0948459 A1 19991013; JP 2000505039 A 20000425; KR 20000057133 A 20000915; WO 9822391 A1 19980528

DOCDB simple family (application)

FR 9614058 A 19961119; AU 5123698 A 19971110; CA 2272459 A 19971110; CN 97181084 A 19971110; EP 97945900 A 19971110; FR 9702018 W 19971110; JP 51977098 A 19971110; KR 19997004400 A 19990519