

Title (en)

COATED MAGNETIC METAL OR ALLOY PIGMENTS, PROCESS FOR THEIR PRODUCTION, AND THEIR USE

Publication

EP 0028796 B1 19830713 (DE)

Application

EP 80106768 A 19801104

Priority

- DE 2945687 A 19791113
- DE 3027757 A 19800722

Abstract (en)

[origin: US4325739A] A pigment of a magnetic metal or alloy thereof carrying, in about 0.2 to 30% of the weight of the metal or alloy, a coating of at least one member selected from the group consisting of an ortho-silicic acid ester, a hydrolyzate thereof and a condensation product thereof. Optionally it also carries a corrosion inhibitor. The coated pigment is produced by suspension of the untreated pigment in a liquid medium containing the ortho-silicic acid ester or derivative thereof, and optionally the corrosion inhibitor, followed by separation and drying at 50 DEG to 250 DEG C. The resulting pigment is non-pyrophoric and of high performance properties suitable for use in magnetic recording media.

IPC 1-7

B22F 1/02; **C09D 5/23**; **H01F 1/06**

IPC 8 full level

B22F 1/02 (2006.01); **B22F 1/102** (2022.01); **C09D 5/23** (2006.01); **H01F 1/06** (2006.01)

CPC (source: EP US)

B22F 1/102 (2022.01 - EP US); **H01F 1/061** (2013.01 - EP US); **Y10T 428/257** (2015.01 - EP US); **Y10T 428/2995** (2015.01 - EP US)

Citation (examination)

- Ullmanns Encyklopädie der technischen Chemie, 4. Aufl., Bd 10 S. 411-416 u. S. 397 sowie Bd. 18, S. 545-551
- Römpps Chemie Lexikon, 1975, S. 2852

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0028796 A2 19810520; **EP 0028796 A3 19810527**; **EP 0028796 B1 19830713**; AU 534438 B2 19840126; AU 6423880 A 19810521; BR 8007358 A 19810526; CA 1148309 A 19830621; DE 3064151 D1 19830818; PL 135721 B1 19851231; PL 227770 A1 19810724; US 4325739 A 19820420

DOCDB simple family (application)

EP 80106768 A 19801104; AU 6423880 A 19801110; BR 8007358 A 19801112; CA 364365 A 19801110; DE 3064151 T 19801104; PL 22777080 A 19801111; US 20468280 A 19801105