

Title (en)

COMPOSITION AND PROCESS FOR TREATING PHOSPHATED METALLIC SURFACES

Publication

**EP 0085626 B1 19861112 (FR)**

Application

**EP 83400204 A 19830128**

Priority

FR 8201476 A 19820129

Abstract (en)

[origin: US4497666A] The invention relates to a composition and a process for the treatment, more precisely the "post-treatment" of phosphatized metal surfaces, particularly when the surfaces must be subsequently covered with a coat of paint. It relates also to a process for the preparation of the composition and a concentrate useful for this preparation. The composition comprises an effective proportion of trivalent titanium compound and it is presented with an acid pH, the proportion of said compound being sufficient for the corresponding composition to confer on the treated metal surface a protection equivalent to that obtained with known chromatising solutions. More particularly, the composition contains trivalent titanium at a concentration of 0.01 to 2 g/l, preferably from 0.2 to 0.6 g/l and has a pH of 2 to 7. Reducing means can be arranged to regenerate the trivalent titanium in the treatment solution continuously.

IPC 1-7

**C23C 22/83**

IPC 8 full level

**C23C 22/82** (2006.01); **C23C 22/83** (2006.01)

CPC (source: EP US)

**C23C 22/83** (2013.01 - EP US)

Citation (examination)

- Gmelins Handbuch der anorganischen Chemie, vol. 41 (1951), pages 373, 413
- Römpps Chemie-Lexikon (1977), pages 3608, 3609, 3612

Cited by

US4600447A; US5073196A; US5391240A

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