

Title (en)

Functional chromium layer with improved corrosion resistance

Title (de)

Funktionelle Chromschicht mit verbesserter Korrosionsbeständigkeit

Title (fr)

Couche de chrome fonctionnelle présentant une résistance améliorée à la corrosion

Publication

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Application

EP 13164188 A 20130417

Priority

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Abstract (en)

The aqueous electroplating bath according to the present invention comprises chromium(VI) ions, sulfate ions and methane-trisulfonic acid or a salt thereof as the catalyst. The functional chromium layer deposited from the aqueous electroplating bath according to the present invention has an increased corrosion resistance.

IPC 8 full level

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CPC (source: EP US)

C25D 3/08 (2013.01 - US); **C25D 3/10** (2013.01 - EP US); **C25D 3/56** (2013.01 - EP US); **C25D 17/10** (2013.01 - EP US)

Citation (applicant)

- EP 0196053 B1 19890614
- EP 0452471 B1 19970312 - ATOTECH USA INC [US]
- US 2195409 A 19400402 - FLETT LAWRENCE H
- DE 4305732 A1 19940922 - TRINOVA CHEMIE GMBH [DE]

Citation (search report)

- [AD] EP 0196053 A2 19861001 - M & T CHEMICALS INC [US]
- [AD] DE 4305732 A1 19940922 - TRINOVA CHEMIE GMBH [DE]
- [A] US 5453175 A 19950926 - NEWBY KENNETH R [US]

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EP 13164188 A 20130417; CA 2908478 A 20140122; CN 201480020384 A 20140122; EP 2014051251 W 20140122; ES 13164188 T 20130417; JP 2016508048 A 20140122; KR 20157025920 A 20140122; PL 13164188 T 20130417; TW 103114078 A 20140417; US 201414765609 A 20140122