

Title (en)

Method of producing conversion coatings.

Title (de)

Verfahren zur Herstellung von Umwandlungsüberzügen.

Title (fr)

Procédé pour la fabrication de couches de conversion.

Publication

**EP 0044171 A1 19820120 (EN)**

Application

**EP 81302990 A 19810701**

Priority

- GB 8021568 A 19800701
- GB 8103452 A 19810204

Abstract (en)

Conversion coatings of the hydrated metal oxide type are deposited on a substrate of Al, Mg, Sn or Zn or their alloys, from an aqueous solution of Al<III> having a pH of 1.5 to 5.5 and containing NO<sub>3</sub><->. The coating produced is of hydrated aluminium oxide. Conversion coatings having further enhanced corrosion resistance are produced from solutions which include borate and have pH's in the range of 4 to 5.5

IPC 1-7

**C23F 7/00**

IPC 8 full level

**C23C 22/56** (2006.01); **C23C 22/34** (2006.01); **C23C 22/48** (2006.01)

CPC (source: EP)

**C23C 22/34** (2013.01); **C23C 22/48** (2013.01)

Citation (search report)

- US 3964936 A 19760622 - DAS NARAYAN
- GB 1218678 A 19710106 - KAWASAKI STEEL CO [JP]
- DE 3031270 A1 19810319 - RICHARDSON CHEMICAL CO
- FR 2465008 A1 19810320 - RICHARDSON CHEMICAL CO [US]
- GB 2059445 A 19810423 - RICHARDSON CHEMICAL CO
- US 2032897 A 19360303 - TANNER ROBERT R
- GB 625041 A 19490621 - RENE GIDE
- FR 794904 A 19360228 - PARKER STE CONTINENTALE
- US 2327002 A 19430817 - THOMPSON JOHN S
- FR 2219245 A1 19740920 - PARKER STE CONTINENTALE [FR]

Cited by

US4569699A; EP0788560A4

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0044171 A1 19820120**; AU 7320181 A 19820202; DK 85182 A 19820226; ES 503554 A0 19820401; ES 8203984 A1 19820401; JP S57501532 A 19820826; NO 820627 L 19820301; WO 8200160 A1 19820121

DOCDB simple family (application)

**EP 81302990 A 19810701**; AU 7320181 A 19810701; DK 85182 A 19820226; ES 503554 A 19810630; GB 8100119 W 19810701; JP 50222781 A 19810701; NO 820627 A 19820301