

Title (en)

PROCESS FOR COATING PHOSPHATIZED METAL SUBSTRATES

Title (de)

VERFAHREN ZUR BESCHICHTUNG PHOSPHATIERTER METALLSUBSTRATE

Title (fr)

PROCEDE DE REVETEMENT DE SUBSTRATS METALLIQUES PHOSPHATES

Publication

**EP 0760871 A1 19970312 (DE)**

Application

**EP 95920868 A 19950523**

Priority

- DE 4418491 A 19940527
- EP 9501957 W 19950523

Abstract (en)

[origin: US5773090A] PCT No. PCT/EP95/01957 Sec. 371 Date Feb. 26, 1997 Sec. 102(e) Date Feb. 26, 1997 PCT Filed May 23, 1995 PCT Pub. No. WO95/33083 PCT Pub. Date Dec. 7, 1995A process for coating phosphated metal substrates with one or more organic coatings, in which after phosphating and before application of a first organic coating, the phosphated metal substrates are treated with an aqueous solution which contains 5 to 10000 ppm of dissolved titanium, vanadium, molybdenum, silver, tin, antimony and/or one or more elements of atomic numbers 57 to 83 in the form of inorganic and/or organic compounds, wherein the phosphated metal substrates are additionally connected as a cathode during the entire treatment or for part of the duration of the treatment.

IPC 1-7

**C23C 22/83**

IPC 8 full level

**C25D 13/20** (2006.01); **C23C 22/80** (2006.01); **C23C 22/83** (2006.01); **C25D 9/00** (2006.01)

CPC (source: EP KR US)

**C23C 22/08** (2013.01 - KR); **C23C 22/83** (2013.01 - EP KR US); **C25D 9/00** (2013.01 - EP US); **C25D 13/20** (2013.01 - EP)

Citation (search report)

See references of WO 9533083A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL PT SE

DOCDB simple family (publication)

**US 5773090 A 19980630**; AT E165874 T1 19980515; BR 9507776 A 19970819; CA 2190945 A1 19951207; DE 59502118 D1 19980610; EP 0760871 A1 19970312; EP 0760871 B1 19980506; JP H10501027 A 19980127; KR 970703447 A 19970703; MX 9605901 A 19971231; WO 9533083 A1 19951207

DOCDB simple family (application)

**US 73794597 A 19970226**; AT 95920868 T 19950523; BR 9507776 A 19950523; CA 2190945 A 19950523; DE 59502118 T 19950523; EP 9501957 W 19950523; EP 95920868 A 19950523; JP 50026696 A 19950523; KR 19960706664 A 19961125; MX 9605901 A 19950523