

Title (en)  
PROCESS FOR PRETREATING ZINC SURFACES BEFORE LACQUERING

Publication  
**EP 0154384 B1 19890621 (DE)**

Application  
**EP 85200318 A 19850305**

Priority  
FR 8403560 A 19840307

Abstract (en)  
[origin: EP0154384A2] 1. Process for preparing metal surfaces of zinc or zinc alloys for a succeeding application of paint, lacquer etc. by means of an alkaline cleaning and passivating by chemical conversion coating characterized in that the metal surfaces a) are cleaned and degreased with a solution being free of silicate and containing at least one cleaning agent of alkaline reaction, at least one surfactant, cations of at least one metal different from alkali metals ions and at least one complexing agent in a quantity sufficient to stabilize the metal cations b) are rinsed with water c) are contacted with a solution containing alkali, cations of at least one metal different from alkali metal ions and at least one complexing agent d) are rinsed with water and e) are subsequently treated with an acid passivating solution.

IPC 1-7  
**C23C 22/60**; **C23C 22/78**; **C23G 1/20**

IPC 8 full level  
**C23C 22/60** (2006.01); **C23C 22/78** (2006.01); **C23G 1/20** (2006.01)

CPC (source: EP)  
**C23C 22/60** (2013.01); **C23C 22/78** (2013.01); **C23G 1/20** (2013.01)

Cited by  
EP0356756A1; EP0209143A3; US9534301B2; US9228088B2

Designated contracting state (EPC)  
BE DE FR IT SE

DOCDB simple family (publication)  
**EP 0154384 A2 19850911**; **EP 0154384 A3 19870204**; **EP 0154384 B1 19890621**; DE 3507372 A1 19850926; DE 3571148 D1 19890727; FR 2560894 A1 19850913; FR 2560894 B1 19881118

DOCDB simple family (application)  
**EP 85200318 A 19850305**; DE 3507372 A 19850302; DE 3571148 T 19850305; FR 8403560 A 19840307