

Title (en)  
ZINC PHOSPHATING WITH INTEGRATED SUBSEQUENT PASSIVATION

Title (de)  
ZINKPHOSPHATIERUNG MIT INTEGRIERTER NACHPASSIVIERUNG

Title (fr)  
PHOSPHATATION DE ZINC A POST-PASSIVATION INTEGREE

Publication  
**EP 0958402 A1 19991124 (DE)**

Application  
**EP 97924957 A 19970520**

Priority  
• DE 19621184 A 19960528  
• EP 9702552 W 19970520

Abstract (en)  
[origin: DE19621184A1] A process for phosphating the surface of steel, galvanised or alloy-galvanised steel, aluminium and/or aluminium-magnesium alloys, in which the phosphating solution contains 0.2 to 3 g/l zinc ions, 3 to 50 g/l phosphate ions calculated as PO<sub>4</sub>, 0.001 to 4 g/l manganese ions, 0.001 to 0.5 g/l of one or more polymers selected from among polyethers, polycarboxylates, polymeric phosphonic acids, polymeric phosphino carboxylic acids and nitrogen-containing organic polymers and one or more accelerators. Preferred polymers are amino group-containing poly(vinyl phenol) derivatives.

IPC 1-7  
**C23C 22/18**; **C23C 22/36**

IPC 8 full level  
**C23C 22/18** (2006.01); **C23C 22/36** (2006.01); **C23C 22/10** (2006.01)

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