

Title (en)
ZINC PHOSPHATIZING WITH LOW QUANTITY OF COPPER AND MANGANESE

Title (de)
ZINKPHOSPHATIERUNG MIT GERINGEN GEHALTEN AN KUPFER UND MANGAN

Title (fr)
PHOSPHATATION DU ZINC AVEC FAIBLE QUANTITE DE CUIVRE ET DE MANGANESE

Publication
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Application
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Abstract (en)
[origin: DE19606017A1] Process for phosphatizing metal surfaces of steel, zinc coated or zinc-alloy coated steel and/or of aluminium where the metal surfaces are brought into contact with a phosphatizing solution containing zinc through spraying or immersion for a time between 3 seconds and 8 minutes; the solution contains 0.2 to 3 g/l zinc ions, 3 to 50 g/l phosphate ions, calculated as PO₄, 1 to 150 mg/l manganese ions, 1 to 30 mg/l copper ions and one or several accelerators.

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