

Title (en)  
SURFACE TREATMENT AGENT FOR ZINCIFEROUS-PLATED STEEL

Title (de)  
OBERFLÄCHENBEHANDLUNGSMITTEL FÜR EISEN-ZINK-OBERFLÄCHEN

Title (fr)  
AGENT DE TRAITEMENT DE SURFACE POUR ACIER ZINGUE

Publication  
**EP 0742849 A1 19961120 (EN)**

Application  
**EP 95909324 A 19950201**

Priority  
• JP 1169594 A 19940203  
• US 9500977 W 19950201

Abstract (en)  
[origin: WO9521277A1] A chromium-free aqueous liquid surface treatment agent that can impart both a good corrosion resistance and a good paint adherence to zinciferous-plated steel sheet contains as its essential components polyhydroxyaryl carboxylic acid and/or depside thereof and silane coupling agent with the formula (YR)mRnSiX(4-m-n), in which R denotes alkyl groups; X is the methoxy or ethoxy group; Y is the vinyl, amino, mercapto, glycidoxy, or methacryloxy group; m = 1 to 3; and n = 0 to (3-m). The total content of said essential components is preferably 1 to 50 weight %.

IPC 1-7  
**C23C 22/05**; **C23C 22/06**; **C23C 22/53**

IPC 8 full level  
**B05D 3/10** (2006.01); **B05D 7/14** (2006.01); **B05D 7/16** (2006.01); **C09D 5/00** (2006.01); **C09D 5/08** (2006.01); **C23C 22/34** (2006.01); **C23C 22/53** (2006.01); **C23C 22/68** (2006.01)

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