

Title (en)

Zinc phosphate-containing conditioning agent for phosphate conversion-treatment of steel plate and corresponding product

Title (de)

Zinkphosphatkonditioniermittel für Phosphatkonversionsbeschichtung von Stahlplatte und entsprechendes Produkt

Title (fr)

Agent de conditionnement comprenant du phosphate de zinc pour traitement de conversion en phosphate de plaque d'acier, et produit correspondant

Publication

EP 1378586 A1 20040107 (EN)

Application

EP 03013178 A 20030611

Priority

JP 2002172373 A 20020613

Abstract (en)

A zinc phosphate-containing surface conditioning agent to be used for surface conditioning as pretreatment for zinc phosphate conversion coating of a metallic material, which contains from 500 to 20,000 ppm of zinc phosphate and which has a pH of from 3 to 11, wherein said zinc phosphate has an average particle size of at most 3 μm and D90 of at most 4 μm .

IPC 1-7

C23C 22/78; **C23C 22/12**

IPC 8 full level

C23C 22/78 (2006.01)

CPC (source: EP KR US)

C23C 22/78 (2013.01 - EP KR US)

Citation (search report)

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- [X] WO 0112341 A1 20010222 - HENKEL CORP [US], et al
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EP 1378586 A1 20040107; **EP 1378586 B1 20070214**; AT E353987 T1 20070315; CN 100430518 C 20081105; CN 1470672 A 20040128; DE 60311708 D1 20070329; KR 20030096065 A 20031224; US 2004011429 A1 20040122

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