

Title (en)

CONVERSION LAYER FOR BASES MADE OF ZINC OR ZINC ALLOYS

Title (de)

KONVERSIONSSCHICHT FÜR AUS ZINK ODER ZINKLEGIERUNGEN BESTEHENDE UNTERGRÜNDE

Title (fr)

COUCHE DE CONVERSION POUR BASES EN ZINC OU EN ALLIAGES DE ZINC

Publication

**EP 1509636 A2 20050302 (DE)**

Application

**EP 03735311 A 20030519**

Priority

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Abstract (en)

[origin: WO03097900A2] The aim of the invention is to create a novel conversion layer, the properties of which regarding breakability, decorative effect, and mechanical abrasion are at least not worse than those of previously known conversion layers. Said aim is achieved by providing the inventive conversion layer with at least one doped siliceous layer that is obtained by applying at least one alkaline siliceous solution which additionally contains aluminum ions and/or ions of at least one B-group element and/or ions of at least one lanthanide and/or ions thereof, which have been complexed with at least one complexing agent, and/or at least one organic polar compound. The novel conversion layer can be used as a corrosion-proof and abrasion-proof protective coating for technical parts and/or for decorative purposes.

IPC 1-7

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