

Title (en)

METHOD FOR APPLYING A PHOSPHATE COATING AND USE OF METAL PARTS COATED IN THIS MANNER

Title (de)

VERFAHREN ZUM AUFBRINGEN EINES PHOSPHATÜBERZUGES UND VERWENDUNG DER DERART PHOSPHATIIERTEN METALLTEILE

Title (fr)

PROCEDE D'APPLICATION D'UN REVETEMENT PHOSPHATE ET UTILISATION DES ELEMENTS METALLIQUES AINSI PHOSPHATES

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Application

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Abstract (en)

[origin: WO02070781A2] The invention relates to a method for applying a phosphate coating to metallic surfaces by wetting said surfaces with an aqueous acidic phosphatizing solution. Said method is characterized in that the phosphatizing solution contains: from 0.2 up to less than 10 g/l zinc ions, 0.5 to 25 g/l manganese ions and 2 to 300 g/l phosphate ions, calculated as P₂O₅. In said method, no copper or nickel is added to the phosphatizing solution. The metal parts that have been pre-phosphatized in this manner are then shaped, bonded to other metal parts, welded to other metal parts and/or phosphatized again and optionally are then coated with a coating containing at least one polymer, or with at least one paint layer.

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