

Title (en)
Treatment by carboxylation of metal surfaces, use of this process as temporary protection against corrosion and manufacturing process of a shaped sheet coated with a carboxylated conversion coating

Title (de)
Behandlungsverfahren der metallischen Oberflächen durch Carboxilierung, Benutzung dieses Verfahrens für den zeitweiligen Korrosionsschutz und Verfahren zur Herstellung eines geformten carboxylierten Bleches

Title (fr)
Procédé de traitement par carboxylation de surfaces métalliques, utilisation de ce procédé pour la protection temporaire contre la corrosion, et procédé de fabrication d'une tôle mise en forme ainsi carboxylatée

Publication
EP 1801262 B1 20081126 (FR)

Application
EP 05292773 A 20051222

Priority
EP 05292773 A 20051222

Abstract (en)
[origin: EP1801262A1] Conversion process comprises carboxylation of a metallic surface e.g. zinc, iron, aluminum, copper, lead and their alloys, galvanized steels, electrozincated, aluminized, coppered, under oxidizing conditions with an aqueous/organic water bath containing a mixture of organic acids comprising 10-18 carbon atoms. Conversion process comprises carboxylation of a metallic surface e.g. zinc, iron, aluminum, copper, lead and their alloys or galvanized, electrozincated, aluminized or coppered steels under oxidizing with an aqueous/organic water bath containing a mixture of organic acids comprising 10-18 carbon atoms in a binary or ternary form, where respective proportions of for the binary acid mixture is $x + 5:y + 5$ molar ratio, where x and y are two acids in a mixture in the eutectic composition and for a ternary mixture $x + 3:y + 3:z + 3$ molar ratio, x, y and z are three acids in a mixture in the eutectic composition in which the concentration of the mixture is ≥ 20 g/l.

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CPC (source: EP KR US)
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