

Title (en)
METHOD FOR SURFACE TREATMENT OF A METALLIC SUBSTRATE

Title (de)
VERFAHREN ZUR OBERFLÄCHENBEHANDLUNG EINES METALLISCHEN SUBSTRATS

Title (fr)
PROCÉDÉ DE TRAITEMENT DE SURFACE D'UN SUBSTRAT MÉTALLIQUE

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Abstract (en)
[origin: WO2014176621A1] The invention relates to a method for surface-treating a metallic substrate, in particular steel plate, using a protective coating on a Zn basis, according to which a chloride-containing solution is applied to the protective coating and as a result an anti-corrosion layer comprising hydrozincite and simonkolleite is formed at least in parts. To increase the corrosion resistance of the protective coating and to improve the process sequence and reproducibility of the method, the invention proposes reacting the protectively coated substrate with the solution which, using an acid, is adjusted to a pH of 4 to 6 and contains 1.8 to 18.5% by weight chloride, so as to increase the proportion of simonkolleite in relation to the proportion of hydrozincite in the anti-corrosion layer.

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