

Title (en)

METHOD FOR COATING METAL SURFACES, SUBSTRATES COATED IN THIS WAY, AND USE THEREOF

Title (de)

VERFAHREN ZUR BESCHICHTUNG VON METALLISCHEN OBERFLÄCHEN, DERART BESCHICHTETE SUBSTRATE UND IHRE VERWENDUNG

Title (fr)

PROCÉDÉ SERVANT À RECOUVRIR DES SURFACES MÉTALLIQUES, SUBSTRATS RECOUVERTS DE CETTE MANIÈRE ET UTILISATION ASSOCIÉE

Publication

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Application

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Priority

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Abstract (en)

[origin: CA2938414A1] The invention relates to a method for coating metal surfaces with an acidic aqueous conversion composition which contains: in total 0.01 to 1 g/l of TiF<sub>6</sub> 2+, ZrF<sub>6</sub> 2+ and/or HfF<sub>6</sub> 2 calculated as ZrF<sub>6</sub> 2+, 0 or 0.01 to 1 g/l in each case of Fe<sup>2+</sup>, Mn and/or Zn ions, of which at least one type of these ions is present in a content range from 0.01 to 1 g/l, 0 or 0.01 to 2 g/l of organic polymer and/or copolymer, 0 or 0.01 to 2 g/l of ultrafine particulate SiO<sub>2</sub>, approximately 0 or 0.01 to 10 g/l of at least one surfactant, approximately 0 or 0.05 to 10 g/l of anions of carbonate, nitrate and/or sulphate, and 0 or 0.001 to 2 g/l of carboxylate and/or sulphonate anions, wherein the content of molybdate and/or of P-containing oxy anions is in each case < 0.1 g/l or is approximately 0 g/l, and wherein the composition has a pH value in the range from 2.5 to 6.5. The invention also relates to a corresponding coating and to the use of the substrates coated in this way.

IPC 8 full level

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