

Title (en)

SURFACE-TREATED STEEL SHEET, ORGANIC RESIN-COATED STEEL SHEET, AND CONTAINER USING SAME

Title (de)

OBERFLÄCHENBEHANDELTES STAHLBLECH, ORGANISCHES HARZBESCHICHTETES STAHLBLECH UND BEHÄLTER DAMIT

Title (fr)

TÔLE D'ACIER TRAITÉE EN SURFACE, TÔLE D'ACIER REVÊTUE DE RÉSINE ORGANIQUE ET RÉCIPIENT L'UTILISANT

Publication

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Application

EP 17845989 A 20170728

Priority

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Abstract (en)

[Problem] To provide a surface-treated steel sheet, etc. for which it is possible to restrain generation of sulfidation blackening while taking the influences of stannous oxide and stannic oxide into consideration.[Solution] The surface-treated steel sheet of the present invention includes a steel sheet, a tin plating layer formed on the steel sheet, and a chemical conversion film that is formed on the tin plating layer and contains essentially no chromium. The surface-treated steel sheet is characterized in that in measurements using anode polarization, the current density ratio of a current density I1 at a potential representing a reaction of stannous oxide (SnO) after undergoing a heat treatment equivalent to coating and baking to the sum (I1 + I2), where I2 is a current density at a potential representing a reaction of stannic oxide (SnO2), is less than 0.36.

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