

Title (en)

SURFACE-TREATMENT METHOD FOR TIN-PLATED DRAWN AND IRONED CANS.

Title (de)

OBERFLÄCHENBEHANDLUNG VON VERZINNTEN GLATT- UND TIEFGEZOGENEN DOSEN.

Title (fr)

PROCEDE DE TRAITEMENT EN SURFACE POUR BOITES ETAMEES ETIREES ET EMBOUTIES.

Publication

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Application

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Priority

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- US 9100202 W 19910110

Abstract (en)

[origin: WO9110756A1] A surface which has excellent adhesivity to paint, good corrosion resistance, and low friction may be obtained on drawn and iron tin plated cans by spraying the can surface for a time between 5 and 60 seconds at a temperature between 40 and 60 DEG C with an aqueous treating liquid having a pH between 4 and 6 and comprising (i) orthophosphoric acid and/or condensed phosphoric acids and (ii) a concentration of at least 0.1 w/o of a water soluble oligomer according to general formula (I) wherein n is a number with a value between 10 and 30 and each of X and Y independently represents hydrogen or a group Z, wherein Z has a chemical composition conforming to general formula (II) wherein each of R1 and R2 is an alkyl or hydroxyalkyl group having from 1 to 5 carbon atoms, except that at least 25 % of the total of all the X and Y groups in the oligomer are Z rather than hydrogen; and drying the surface thus sprayed, optionally after having first rinsed the sprayed surface with water.

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