

Title (en)

PROCESS FOR ELECTROLYTICALLY COLOURING ANODISED ALUMINIUM SURFACES WITH METAL SALTS

Publication

EP 0354365 B1 19930421 (DE)

Application

EP 89112556 A 19890710

Priority

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Abstract (en)

[origin: EP0354365A1] The invention relates to a process for electrolytically colouring anodised surfaces of aluminium and aluminium alloys with metal salts, wherein a defined oxide layer is first produced by means of direct current in acidic solution and this is then coloured by means of an alternating current or an alternating current with superposed direct current, using an acidic electrolyte containing tin(II) salts. The subject of the invention is the addition of water-soluble compounds of the general formulae (I) to (IV) which stabilise tin(II) salts <IMAGE> where R1 is hydrogen, alkyl, aryl, alkylaryl, alkylarylsulphonic acid, alkyl sulphonic acid and alkali metal salts thereof, each having 1 to 22 carbon atoms, R2 is hydrogen, alkyl, aryl, alkylaryl, alkylarylsulphonic acid, alkylsulphonic acid and alkali metal salts thereof, each having 1 to 22 carbon atoms, R3 represents one or more hydrogen atoms and/or alkyl, aryl or alkylaryl radicals having 1 to 22 carbon atoms and R4 and R5 represent one or more hydrogen atoms, alkyl, aryl and/or alkylaryl radicals, sulphonic acid, alkylsulphonic acid, alkylarylsulphonic acid and alkali metal salts thereof having 1 to 22 carbon atoms, at least one of the radicals R1, R2 and R3 being a radical other than hydrogen. <IMAGE>

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