Title (en)

METHOD OF PRODUCING AN ALUMINUM OR ALUMINUM ALLOY STRIP WITH A HEAT-SEAL LACQUER ON A FIRST SURFACE AND AN EPOXIDE BASED STOVE LACQUER ON THE SECOND SURFACE PREVIOUSLY COATED WITH A CHROMIUM-FREE CONVERSION COATING

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ALUMINIUM- ODER ALUMINIUMLEGIERUNGSSTREIFENS MIT EINER WÄRMEVERSIEGELUNGSLACKIERUNG AUF EINER ERSTEN OBERFLÄCHE UND EINER EPOXIDBASIERTEN EINBRENNLACKIERUNG AUF DER ZWEITEN, ZUVOR MIT EINER CHROMFREIEN KONVERSIONSBESCHICHTUNG BESCHICHTETEN OBERFLÄCHE

Title (fr)

PROCÉDÉ DE PRODUCTION D'UNE BANDE D'ALUMINIUM OU D'ALLIAGE D'ALUMINIUM DOTÉE D'UNE LAQUE DE THERMOSCELLAGE SUR UNE PREMIÈRE SURFACE ET D'UNE LAQUE CUITE AU FOUR À BASE D'ÉPOXYDE SUR LA SECONDE SURFACE PRÉALABLEMENT REVÊTUE D'UNE COUCHE DE CONVERSION EXEMPTE DE CHROME

Publication

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Application

EP 12725321 A 20120601

Priority

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Abstract (en)

[origin: EP2532769A1] In a method of producing an aluminium or aluminium alloy strip with a heat-seal lacquer on a first surface and an epoxide based stove lacquer on the second surface, a chromium-free conversion coating is produced on the first and second surface of the aluminium or aluminium alloy strip in a continuous production line before applying the hot seal lacquer and the stove lacquer, the chromium-free conversion coating is produced by (A) a no-rinse process by treatment with a solution of silanes in a polar organic solvent, or a no-rinse process by treatment with an aqueous solution of 5 to 10 wt.-% hexafluorotitanic acid (H 2 TiF 6) and 2.5 to 5 wt.-% hexafluorozirconic acid (H 2 ZrF 6), or (B) a rinse process by treatment with an aqueous solution of < 1 wt.-% diammonium dimolybdate ((NH 4) 2 Mo 2 O 7) and 5 to 10 wt.-% hexafluorozirconic acid (H 2 ZrF 6).

IPC 8 full level

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CPC (source: EP)

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