Title (en)

Hot dip coating process.

Title (de)

Schmelztauchverfahren.

Title (fr)

Procédé de revêtement à chaud.

Publication

EP 0037143 A1 19811007 (FR)

Application

EP 81200313 A 19810320

Priority

- BE 6047114 A 19800325
- BE 6047183 A 19800609
- BE 6047184 A 19800609

Abstract (en)

1. Hot dip coating process for products of any shape made of killed, semi-killed or silicon steel in which the said products are dipped into an initial bath made up basically of zinc or a first zinc-aluminium alloy and then into a second bath comprising basically a second zinc-aluminium alloy, the aforementioned first and second baths being at different temperatures, and which is characterized by the fact that at least one of the baths of zinc-aluminium alloy has an aluminium content of between 3 % and 10 % and at least one of the elements Sb, Ce, Mg, La and Sn is added to it in an amount not exceeding 0.5 % by weight.

Abstract (fr)

Procédé de revêtement à chaud d'un matériau de forme quelconque, mais se présentant le préférence sous forme de tube ou de tôle en acier, caractérisé en ce que le produit à traiter est immergé dans au moins deux bains métalliques dont les températures sont différentes. On peut utiliser, notamment, des bains métalliques de zinc et d'alliage de zinc, Zn-Al par exemple. Un bain de plomb peut être intercalé entre le deux bains de zinc.

IPC 1-7

C23C 1/00; C23C 1/02

IPC 8 full level

C23C 2/00 (2006.01); **C23C 2/06** (2006.01); **C23C 2/12** (2006.01)

CPC (source: EP US)

C23C 2/00 (2013.01 - EP US); **C23C 2/06** (2013.01 - EP); **C23C 2/12** (2013.01 - EP)

Citation (search report)

GB 876032 A 19610830 - BRITISH NON FERROUS METALS RES

Cited by

EP0337402A1; FR2554831A1; EP0148740A1; EP0097487A3; EP0106021A3; EP0132424A1; FR2548216A1; US4605598A; CN100334250C; GB2224041A; US5096666A; EP1225246A4; ES2038885A1; EP0427389A1; DE10003680A1; DE10003680C2; EP0647725A1; WO0155469A1

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