

Title (en)

PROCESS FOR PRODUCING Zn-Ni ALLOY-PLATED STEEL SHEET HAVING EXCELLENT PRESS MOLDABILITY.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MIT ZINK-NICKEL-LEGIERUNG BESCHICHTETEN FEINBLECHEN MIT AUSGEZEICHNETEN PRESSVERFORMEIGENSCHAFTEN.

Title (fr)

PROCEDE DE PRODUCTION D'UNE FEUILLE D'ACIER A REVETEMENT EN ALLIAGE DE Zn-Ni PRESENTANT UNE EXCELLENTE APTITUDE AU MOULAGE PAR PRESSAGE.

Publication

EP 0364596 A4 19900703 (EN)

Application

EP 89903215 A 19890315

Priority

- CA 601174 A 19890530
- JP 8900276 W 19890315
- JP 6057588 A 19880316

Abstract (en)

[origin: EP0364596A1] A Zn-Ni alloy-plated steel sheet having stable moldability is produced by subjecting the plated surface of a Zn-Ni alloy (Ni content: 10 to 17 wt.%) -plated steel sheet to dipping, spraying or anodizing using a solution containing one or both of H₂PO₄<-> and HPO₄<2->.

IPC 1-7

C23C 22/07; **C25D 5/48**; **C25D 11/34**

IPC 8 full level

C25D 5/26 (2006.01); **B21D 22/20** (2006.01); **C23C 22/08** (2006.01); **C25D 5/48** (2006.01); **C25D 11/34** (2006.01)

CPC (source: EP)

C23C 22/08 (2013.01); **C25D 5/48** (2013.01); **C25D 11/34** (2013.01)

Citation (search report)

- [A] FR 1581111 A 19690912
- [A] H.W. DETTNER et al.: "Handbuch der Galvanotechnik", Band III, 1969, pages 86-88, Carl Hanser Verlag, Munich, DE
- [A] WORLD PATENT INDEX LATEST, accession no. 81-86453D/47; & JP-A-56 130 477 (SUMITOMO METAL INDUSTRIES)
- See references of WO 8908730A1

Cited by

EP1348780A4; DE102015118869A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0364596 A1 19900425; **EP 0364596 A4 19900703**; **EP 0364596 B1 19960306**; CA 1338621 C 19961001; DE 68925858 D1 19960411; DE 68925858 T2 19960801; JP H01234592 A 19890919; JP H0535234 B2 19930526; WO 8908730 A1 19890921

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