

Title (en)

Magnetic containment of hot dip coating bath

Title (de)

Magnetische Eindämmung eines Schmelztauchbades

Title (fr)

Confinement magnétique d'un bain de revêtement au trempé

Publication

EP 0952236 A1 19991027 (EN)

Application

EP 98118156 A 19980924

Priority

US 4630798 A 19980323

Abstract (en)

A hot dip coating system comprises a bath of molten coating metal contained in a vessel having a strip passage opening located below the top surface of the bath. A metal strip (32) is directed along a path extending through the strip passage opening (43) and through the bath of molten coating metal (40), to coat the strip. An electromagnet (50) is employed to prevent the escape of the bulk of the molten coating metal from the bath through the strip passage opening while permitting the strip to move along its path. Expedients are provided to reduce leakage of molten coating metal through the strip passage opening. <IMAGE>

IPC 1-7

C23C 2/24

IPC 8 full level

C23C 2/00 (2006.01); **C23C 2/24** (2006.01)

CPC (source: EP)

C23C 2/24 (2013.01)

Citation (search report)

- [AD] CA 2131059 A1 19950309 - INLAND STEEL CO [US]
- [A] US 5665437 A 19970909 - FROMMANN KLAUS [DE], et al

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CN113528999A; CN106811710A; AU2006265440B2; WO2010001330A3; WO03062485A1; WO2007003315A3

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DOCDB simple family (application)

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