

Title (en)

STEEL STRIP PLATED WITH A ZINC-BASED COATING LAYER CONTAINING AN INORGANIC DISPERSOID

Publication

**EP 0174019 B1 19890301 (EN)**

Application

**EP 85111166 A 19850904**

Priority

JP 18530084 A 19840906

Abstract (en)

[origin: EP0174019A1] A zinc-plated steel strip having enhanced corrosion resistance, workability, and weldability comprising a steel strip substrate, at least one surface coating layer formed on at least a portion of the substrate surface, and, optionally, at least an intermediate coating layer formed between the substrate and the surface coating layer and consisting of zinc or a zinc alloy, the surface coating layer consisting essentially of a zinc or zinc alloy matrix and fine dispersoid particles dispersed in the matrix and consisting an oxide, carbide, nitride, boride, phosphide, or sulfide of Al, Fe, Ti, Mo, Cu, Zn, Ni, Co, La, Ce, or Si.

IPC 1-7

**C25D 15/02**

IPC 8 full level

**B32B 15/01** (2006.01); **C23C 2/26** (2006.01); **C25D 15/02** (2006.01)

CPC (source: EP US)

**C23C 2/265** (2013.01 - EP US); **C25D 15/02** (2013.01 - EP)

Cited by

EP1348773A1; US4904545A; CN113512724A; GB2340131A; BE1015224A3; GB2209178A; GB2209178B; FR2822582A1; FR2822478A1; US4897317A; FR2623822A1; GB2212816A; GB2212816B; EP1365046A1; FR2839729A1; US4839241A; US5429881A; US4910095A; US5082536A; US5134039A; US2015165727A1; US9821534B2; CN113005494A; EP0291606A3; US4800134A; DE3819517A1; GB2206127A; GB2206127B; US7211323B2; FR2766844A1; FR2617193A2; US4873153A; FR2617195A1; US5006420A; FR2641547A1; US4915906A; US4868066A; EP0293476A4; US4908279A; GB2178760B; US6689489B2; WO0127343A1; WO0151681A3; US6468674B2; US9486984B2; EP0290836B1; US7118807B2; US7250076B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0174019 A1 19860312**; **EP 0174019 B1 19890301**; DE 3568459 D1 19890406; JP S6164899 A 19860403; JP S6316479 B2 19880408

DOCDB simple family (application)

**EP 85111166 A 19850904**; DE 3568459 T 19850904; JP 18530084 A 19840906