

Title (en)

Hot-dip aluminium-zinc coatings.

Title (de)

Durch Heissttauchen hergestellte Aluminium-Zink-Überzüge.

Title (fr)

Réêtements en aluminium-zinc obtenus par procédé de plonge à chaud.

Publication

EP 0080903 A1 19830608 (EN)

Application

EP 82306407 A 19821202

Priority

US 32673281 A 19811202

Abstract (en)

Hot-dip coated steel articles having a coating containing about 55% aluminum, 43% zinc, 2% silicon, are known to exhibit an optimum combination of general corrosion resistance, more durable than zinc coatings; while providing more galvanic protection to cut edges and areas of mechanical damage than hot-dip aluminum coatings. It has now been found that coatings containing 12 to 24% zinc, up to 4% silicon, balance aluminum, provide galvanic protection equal to or superior to such known coatings, while providing enhanced general corrosion resistance, approaching that of aluminum coatings.

IPC 1-7

C23C 1/08; **C23C 1/02**

IPC 8 full level

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

CPC (source: EP)

C23C 2/12 (2013.01)

Citation (search report)

- EP 0028821 A1 19810520 - BETHLEHEM STEEL CORP [US]
- EP 0028822 A1 19810520 - BETHLEHEM STEEL CORP [US]

Cited by

EP3845682A4

Designated contracting state (EPC)

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