

Title (en)

Corrosion protection element for parts, particularly automotive parts, to be connected by screws, bolts, etc.

Title (de)

Korrosionsschutzelement für Bauteile, insbesondere solche Bauteile für Kraftfahrzeuge, die mittels Schrauben, Bolzen, etc. zu befestigen sind.

Title (fr)

Élément protecteur contre la corrosion pour pièces, notamment pour les pièces de voitures, destinées à être fixées par des vis, boulons, etc.

Publication

EP 0345607 A1 19891213 (EN)

Application

EP 89109739 A 19890530

Priority

DE 3819495 A 19880608

Abstract (en)

The invention relates to a corrosion protection element (1) comprising a laminate consisting of two spaced high-purity zinc foils (2), a layer of an elastic adhesive sealing material (3) between said foils (2), and a coat of a permanently elastic adhesive (4) on the side of one of said zinc foils facing away from the elastic adhesive sealing material layer, said latter adhesive coat being covered by a strippable adhesive-protecting liner (5). After the liner (5) has been withdrawn, the corrosion protection element may be applied by placing it with its self-adhesive coating (4) down on the surface of one of two parts in the area where they are to be connected. Because of its permanent deformability, it will provide an optimum seal at the juncture between the parts as they are being connected; at the same time, it provides long-term protection from corrosion as the high-purity zinc foils (2) of the laminate provide cathodic anticorrosive action. Relative movements of the connected parts will in no way impair the sealing and anticorrosive effects the inventive corrosion protection elements affords.

IPC 1-7

C23F 13/02

IPC 8 full level

B62D 25/16 (2006.01); **B62D 29/00** (2006.01); **C23F 13/02** (2006.01); **F16B 43/00** (2006.01); **F16J 15/06** (2006.01)

CPC (source: EP KR)

C23F 13/00 (2013.01 - KR); **C23F 13/02** (2013.01 - EP)

Citation (search report)

- [A] GB 1474413 A 19770525 - BAGNULO L
- [A] FR 2247547 A1 19750509 - PEUGEOT [FR]
- [A] FR 2418279 A1 19790921 - VOLKSWAGENWERK AG [DE]
- [A] US 3813315 A 19740528 - VALYI E

Cited by

CN106132693A; US10035156B2; US10882064B2; US11040360B2; US11548018B1; US11679399B2

Designated contracting state (EPC)

FR GB IT SE

DOCDB simple family (publication)

EP 0345607 A1 19891213; **EP 0345607 B1 19920909**; CA 1339407 C 19970902; DE 3819495 C1 19891123; JP H0277371 A 19900316; KR 910001267 A 19910130

DOCDB simple family (application)

EP 89109739 A 19890530; CA 601995 A 19890607; DE 3819495 A 19880608; JP 14505589 A 19890607; KR 890007894 A 19890607