

Title (en)

Road vehicle electric element

Title (de)

Elektrisches Element eines Strassenfahrzeuges

Title (fr)

Élément électrique de véhicule routier

Publication

**EP 1202399 A3 20030305 (FR)**

Application

**EP 01420217 A 20011030**

Priority

FR 0014031 A 20001031

Abstract (en)

[origin: EP1202399A2] The electrical element has a connector (14) with attachment (22,42) to a car body wall (16). The connector has an electrical connector reception element (46). The reception elements are connected with electrical wires (108) held inside the inner electrical element volume.

IPC 1-7

**H01R 13/622**

IPC 8 full level

**H01R 13/622** (2006.01); **H01R 13/74** (2006.01); **H01R 24/06** (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP)

**H01R 13/622** (2013.01); **H01R 13/746** (2013.01); **H01R 13/52** (2013.01); **H01R 13/74** (2013.01)

Citation (search report)

- [XY] DE 29509854 U1 19950817 - FESTO KG [DE]
- [X] US 5211570 A 19930518 - BITNEY WESLEY E [US]
- [X] US 5302138 A 19940412 - SHIELDS WINSTON E [US]
- [YA] DE 29708645 U1 19980917 - JOHANN & KONEN GMBH & CO [DE]
- [Y] DE 19743212 C1 19990211 - SIEMENS AG [DE]

Cited by

WO2007006554A1; CN107768892A; CN113692679A; WO2020200562A1; US7794252B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1202399 A2 20020502; EP 1202399 A3 20030305**; FR 2816116 A1 20020503; FR 2816116 B1 20031010

DOCDB simple family (application)

**EP 01420217 A 20011030**; FR 0014031 A 20001031