

Title (en)

Coupling device on a window pane with electrical fonctions

Title (de)

Verbindungsvorrichtung auf einer Scheibe mit elektrischen Funktionen

Title (fr)

Dispositif de liaison d'une vitre avec des fonctions électriques

Publication

EP 1119071 A3 20020821 (FR)

Application

EP 01400122 A 20010117

Priority

DE 10002777 A 20000122

Abstract (en)

[origin: EP1119071A2] The car window electrical connecting mechanism has conducting elements connected to the nearest side face. The contact elements are connected to the nearest side face contact element (8). Circuit elements (9) are placed at the edges of the contact face and connected into the conductor elements.

IPC 1-7

H01Q 1/12

IPC 8 full level

H01Q 1/32 (2006.01); **H01Q 1/12** (2006.01)

CPC (source: EP KR US)

H01Q 1/1271 (2013.01 - EP US); **H01Q 1/1278** (2013.01 - EP US); **H01Q 1/32** (2013.01 - KR)

Citation (search report)

- [A] US 5867128 A 19990202 - SAUER GERD [DE]
- [A] EP 0597757 A2 19940518 - SAINT GOBAIN VITRAGE [FR], et al
- [A] EP 0645240 A1 19950329 - SAINT GOBAIN VITRAGE [FR]

Cited by

CN110998970A; FR2921520A1; US9155206B2; WO2009040057A1

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 1119071 A2 20010725; EP 1119071 A3 20020821; EP 1119071 B1 20210224; DE 10002777 C1 20010809; JP 2001251119 A 20010914; KR 100798091 B1 20080128; KR 20010076363 A 20010811; US 2003034172 A1 20030220; US 2003058178 A1 20030327; US 6534720 B2 20030318; US 6576845 B2 20030610

DOCDB simple family (application)

EP 01400122 A 20010117; DE 10002777 A 20000122; JP 2001008549 A 20010117; KR 20010003051 A 20010119; US 27325802 A 20021018; US 76564901 A 20010122