

Title (en)

Fuse connection structure of bus bar and electric connection box provided with same

Title (de)

Sicherungsanschlussanordnung für Stromschiene und elektrisches Verbindungsgehäuse mit einer solchen Anordnung

Title (fr)

Ensemble de bornes de connexion de fusible pour barre omnibus et boîtier de connexion électrique avec un tel ensemble

Publication

**EP 1548786 A1 20050629 (EN)**

Application

**EP 04258005 A 20041221**

Priority

JP 2003424450 A 20031222

Abstract (en)

Connection portions 38 to 42 are provided at one and other side portions of a bus bar 22, and a notch 28 and a fusible portion 25, extending across the notch, are provided at an intermediate plate portion 27 of the bus bar 22. A pair of post-mounting fuse-mounting hole portions 30 are formed through the plate portion 27, and are disposed at opposite sides of the notch 28, respectively. A post-mounting fuse 4 is thread-fastened and connected to the hole portions 30. The post-mounting fuse 4 has a pair of holes 35 whose pitch is equal to a pitch of the pair of hole portions 30. A second bus bar 23 is fixed to the one and other side portions of the bus bar 22 through an insulating portion 45. An electric connection box 1 includes the above bus bar fuse connection structure provided within its connection box body 2. An opening 20 is formed in the connection box body 2, and is disposed in opposed relation to the intermediate plate portion 27. The opening 20 is sealingly closed by a projecting cover plate 24 of a cover 6. A guide wall 13, holding fastening connection-purpose nuts 14, is provided within the connection box body 2. The hole portions 30 serve also as mounting portions for external connection terminal-connected wires 54. <IMAGE>

IPC 1-7

**H01H 85/044**

IPC 8 full level

**H05K 7/06** (2006.01); **H01H 85/044** (2006.01); **H02G 3/16** (2006.01)

CPC (source: EP)

**H01H 85/044** (2013.01); **H01H 2085/0555** (2013.01); **H01H 2085/266** (2013.01)

Citation (search report)

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DE FR GB

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**EP 1548786 A1 20050629**; **EP 1548786 B1 20180801**; JP 2005185035 A 20050707; JP 4177247 B2 20081105

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