

Title (en)

Breakaway electrical connector.

Title (de)

Abschaltender elektrischer Verbinder.

Title (fr)

Connecteur électrique à détachement rapide.

Publication

**EP 0334609 A1 19890927 (EN)**

Application

**EP 89302800 A 19890321**

Priority

- GB 8807006 A 19880324
- GB 8826629 A 19881115

Abstract (en)

An electrical breakaway connector for such uses as with aircraft pilot's helmets includes a mounting fixture (140) to mount the connector to the base of the aircraft. The electrical connector includes data and power contacts within a dielectric housing (30, 60) of the electrical connector, surrounded by a rigid metallic shell (4) which forms an outer housing. The metallic shell includes at the mounting end thereof a swivel joint defined by a ball and socket (140) arrangement which allows the entire connector to swivel and to align itself with a discharge angle of the cable of the mating connector during quick disconnect thereby allowing a smooth release of the two mated connectors.

IPC 1-7

**H01R 13/629**

IPC 8 full level

**H01R 13/635** (2006.01)

CPC (source: EP)

**H01R 13/635** (2013.01)

Citation (search report)

- [AD] US 4684192 A 19870804 - LONG WILLIAM B [US], et al
- [A] US 4390222 A 19830628 - CARTER DAVID P E
- [AD] US 4533796 A 19850806 - ENGELMORE ANTHONY R [US]
- [A] GB 2085242 A 19820421 - BICC LTD

Cited by

USRE39093E; EP0896394A1; FR2767230A1; DE102012212346A1; DE102012212346B4; US6303857B1; US6872883B2; US7114966B2; US9935410B2; WO0231709A1; US9502824B2; US9118158B2; US9819119B2

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

**EP 0334609 A1 19890927; EP 0334609 B1 19940615;** DE 68916076 D1 19940721; DE 68916076 T2 19950105

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