

Title (en)

Electrical over stress device and connector.

Title (de)

Gerät zum Schutz gegen elektrische Überbeanspruchung und Verbinder.

Title (fr)

Dispositif de protection contre les surcharges électriques et connecteur.

Publication

**EP 0577311 A1 19940105 (EN)**

Application

**EP 93304852 A 19930622**

Priority

- US 90661092 A 19920630
- US 90681392 A 19920630

Abstract (en)

A device (24) for protecting against electrical over stress (EOS) of electrical components includes first contacts (50, 56) that interconnect to signal contacts (18) of a connector (12) and a second contacts (68) that connect to the ground circuit (20) of the connector (12), with a rigid plastic housing (26) holding the device contacts so that ends (55, 65) have a precise spacing gap (71), the gap being filled with a material matrix (72) of insulating and conductive materials having characteristics in conjunction with the gap (71) to define transit voltage suppression by grounding the signal contacts (18) of a connector (12). The device (24) is made bendable to fit onto connectors and conform to the connector geometry. <IMAGE>

IPC 1-7

**H01R 13/66**

IPC 8 full level

**H01R 13/533** (2006.01); **H01R 13/66** (2006.01)

CPC (source: EP)

**H01R 13/6666** (2013.01)

Citation (search report)

- [A] US 5018989 A 19910528 - BLACK TERESA K [US], et al
- [YD] US 4977357 A 19901211 - SHRIER KAREN P [US]
- [Y] EP 0194424 A1 19860917 - BBC BROWN BOVERI & CIE [CH]
- [AD] EP 0211508 A1 19870225 - AMP INC [US]
- [A] DE 9105206 U1 19910613
- [AP] US 5148354 A 19920915 - ROTH GREGORY A [US]

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0577311 A1 19940105**; **EP 0577311 B1 19970820**; DE 69313205 D1 19970925; DE 69313205 T2 19971218; JP 3400495 B2 20030428; JP H06208869 A 19940726

DOCDB simple family (application)

**EP 93304852 A 19930622**; DE 69313205 T 19930622; JP 18338293 A 19930630