Title (en)

Connector pin and socket saver.

Title (de)

Stift- und Buchsenschoner für Verbinder.

Title (fr)

Epargne de fiches et douilles pour des connecteurs.

Publication

EP 0484633 A1 19920513 (EN)

Application

EP 91110988 A 19910703

Priority

US 61047590 A 19901107

Abstract (en)

A connector is designed with sockets in both mating housing parts (82,102) which define a cavity (86,106) and accept an intermediate dielectric disc 130 containing conductive pins (132) which protrude from both sides. The pins can be short and stiff enhancing their resistance to bending. The disc can be mounted in one member (82) of the connector and is secured by a device such as a threaded fastener (134) or a snap ring. In the event the pins (132) become damaged, the disc (130) is removed and replaced with another. The disc is, by comparison to a new connector, much easier to replace and less costly. Since both housing members (82,102) of the connector (80) contain sockets (90,110) they are relatively immune to damage. This is because the sockets are usually completely constrained by an insulator body (88,108), and are, therefore, protected from physical damage. <IMAGE>

IPC 1-7

H01R 13/52; H01R 31/06

IPC 8 full level

H01R 31/06 (2006.01)

CPC (source: EP KR)

H01R 24/20 (2013.01 - KR); **H01R 24/28** (2013.01 - KR); **H01R 31/06** (2013.01 - EP)

Citation (search report)

- [X] EP 0128472 A2 19841219 - LITTON SYSTEMS INC [US]
- [A] ENGINEERING MATERIALS & DESIGN no. 12, December 1988, pages 18,19, Sutton, Surrey, GB; T. WEARDON: Hermetically sealed connectors for tomorrow's industries"

Cited by

EP0821444A3; EP0655804A3; FR2719710A1; DE102013212474A1; WO9930389A1; WO9429932A1

Designated contracting state (EPC)

CH ES LI SE

DOCDB simple family (publication)

EP 0484633 A1 19920513; KR 920010998 A 19920627

DOCDB simple family (application)

EP 91110988 A 19910703; KR 910015313 A 19910903