

Title (en)  
Improved destaticized connector structure.

Title (de)  
Aufbau eines Verbinders mit Vorrichtung zum Abführen von elektrostatischen Ladungen.

Title (fr)  
Structure de connecteur avec décharge améliorée de l'électricité statique.

Publication  
**EP 0539863 A2 19930505 (EN)**

Application  
**EP 92118047 A 19921022**

Priority  
JP 9730691 U 19911030

Abstract (en)  
A connector is disclosed which draws static charges to ground preventing the charge from damaging a circuit or electrical component. The static charge removal connector comprises a male plug (21) including a male housing (22) having a base, a mount (23), and at least one male terminal (24) fixed to the mount, and a female receptacle (1) including a female housing (2) having at least one terminal mounting cavity (2) and a flexible female terminal (4) in the cavity. The female housing has a metal cover (11) integrally connected to ground bars (15) and applied to a top surface (10) of the housing (2), where the cover (11) has apertures (41) through which the mount (23) with the male terminal (24) can be inserted. The terminal mount (23) projects from a basis (29) of the housing 822) of the male plug and is physically dimensioned so as to permit insertion through the aperture (41) in the cover and into a slot (12) in the female housing. The female terminal (4) which is yieldingly deformable remains contained within the slot (12) of the female housing (2) prior to making contact with the counter male terminal (24). <IMAGE>

IPC 1-7  
**H01R 13/648**

IPC 8 full level  
**H01R 13/648** (2006.01); **H01R 13/652** (2006.01); **H05F 3/02** (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP KR)  
**H01R 13/648** (2013.01 - KR); **H01R 13/652** (2013.01 - EP)

Cited by  
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DOCDB simple family (application)  
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