

Title (en)
Electrical connector cabinets.

Title (de)
Gehäuse für elektrische Verbinder.

Title (fr)
Boîtiers de connexions électriques.

Publication
EP 0360667 A1 19900328 (FR)

Application
EP 89402515 A 19890914

Priority
FR 8812265 A 19880920

Abstract (en)
[origin: US4979910A] An electrical connector housing comprises a male housing member, a corresponding female housing member and a skirt on the female housing member adapted to receive an anterior end of the male housing member. Channels in the male and female housing members are adapted to receive respective electrical contact members. Means for locking the male and female housing members together when the anterior end of the male housing member is inserted into the skirt comprise a resilient bar having two feet joined to the male housing member near its anterior end, an operating member at its free end and first locking members. The skirt comprises second locking members adapted to cooperate with the first locking members and a protuberance on its inside surface. The resilient bar further comprises a projection adapted to cooperate with this protuberance and having a first ramp inclined so that insertion of the male housing member into the skirt requires an additional force to allow the first ramp to pass by virtue of resilient deformation of the bar, a second ramp and an edge between the first and second ramps. When the protuberance has passed over the edge during insertion of the male housing member into the skirt, the second ramp tends to facilitate further insertion.

Abstract (fr)
Boîtier de connexions électriques avec un élément mâle et un élément femelle correspondant, des moyens de verrouillage avec une barrette élastique (21) destinée à coopérer avec des moyens (18,19) de l'élément femelle caractérisé en ce que l'élément femelle comporte une protubérance (14) tandis que la barrette élastique est reliée à une saillie (23,24) disposée afin de coopérer avec la protubérance et présentant une première rampe (23a,24a), une arête (23c,24c) et une seconde rampe (23b, 24b) afin que l'insertion de l'élément mâle s'effectue contre la première rampe et qu'après le passage de l'arête (23c,24c) la seconde rampe facilite la fin de ladite insertion.

IPC 1-7
H01R 13/627; H01R 13/64

IPC 8 full level
H01R 13/627 (2006.01)

CPC (source: EP US)
H01R 13/6272 (2013.01 - EP US)

Citation (search report)
• [A] EP 0005594 A1 19791128 - AMP INC [US]
• [A] EP 0030768 A1 19810624 - REINSHAGEN KABELWERK GMBH [DE]
• [A] DE 2909616 A1 19800918 - SIEMENS AG
• [A] DE 8600466 U1 19860327

Cited by
EP0467271A3; EP0954063A3; FR2669897A1

Designated contracting state (EPC)
DE ES GB IT SE

DOCDB simple family (publication)
EP 0360667 A1 19900328; EP 0360667 B1 19930113; DE 68904387 D1 19930225; DE 68904387 T2 19930506; ES 2036823 T3 19930601; FR 2636785 A1 19900323; FR 2636785 B1 19901102; US 4979910 A 19901225

DOCDB simple family (application)
EP 89402515 A 19890914; DE 68904387 T 19890914; ES 89402515 T 19890914; FR 8812265 A 19880920; US 40636489 A 19890912