Title (en)

Method of interconnecting flat power cables.

Title (de)

Verfahren zum Verbinden von flachen Leistungskabeln.

Title (fr)

Procédé de connexion de câbles de puissance plats.

Publication

EP 0393927 A1 19901024 (EN)

Application

EP 90303945 A 19900411

Priority

- US 34186489 A 19890421
- US 45465689 A 19891221

Abstract (en)

A tap or splice connector especially useful for a pair of dual conductor flat power cables (12,14) includes two pairs of upper and lower structures (60,80) which are applied to the stacked in-line cables side-by-side and then enclosed in a housing (16,18). The upper and lower structures (60,80) each have a transverse array of cable-engaging wave-shaped bosses alternating with wave-receiving relief recesses when pressed together, so that the waves press trips of both cables in upper and lower arrays into the opposing recesses thus exposing conductor edges of the strips for electrical connection. Outer surfaces of the structures (60,80) are then staked (54,58) to urge the metal thereof laterally and tightly against the conductor edges adjacent thereto. The structures (60,80) preferably are self-locking upon being staked to secure the upper and lower structures (60,80) to each other and to the cables (12,14).

IPC 1-7

H01R 9/07; H01R 23/66

IPC 8 full level

H01R 4/24 (2006.01); **H01R 12/68** (2011.01); **H01R 12/77** (2011.01); **H01R 12/61** (2011.01)

CPC (source: EP KR)

H01R 12/68 (2013.01 - EP); **H01R 12/772** (2013.01 - EP); **H01R 12/78** (2013.01 - KR); H01R 12/613 (2013.01 - EP)

Citation (search report)

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EP 90303945 A 19900411; DE 69013964 T 19900411; JP 10441390 A 19900421; KR 900005519 A 19900420