

Title (en)  
Electrical connector for flexible flat cable.

Title (de)  
Elektrischer Steckverbinder für flexibles Flachkabel.

Title (fr)  
Connecteur électrique pour câble plat flexible.

Publication  
**EP 0239422 A1 19870930 (EN)**

Application  
**EP 87302704 A 19870330**

Priority  
JP 4576386 U 19860328

Abstract (en)  
The connector includes a housing (1) having a terminal mounting space (2) formed therein, a plurality of terminals (3) mounted in said space and arranged in parallel relation with pitches corresponding to pitches of flat conductors (6) formed in the flexible flat cable (5) and an inserting and holding member (4) for inserting and holding the flexible flat cable into the terminals (3) to connect the respective flat conductors (6) to the respective terminals (3). Each terminal (3) is fork-shaped and comprises upper and lower terminal pieces (12, 13) each having a projecting contact (15) projecting inwardly from an inside of a free end thereof, and said inserting and holding member (4) comprises a wedging portion having an upper surface (35), a front surface (36) and a lower surface (37) to be inserted into a receiving space (30) formed between the fork-like terminal pieces (12, 13) of said terminal and a locking projection (34) to be engaged with a locking groove (33) formed in said housing. The flexible flat cable is positioned in flat state at an opening (38) formed at the front side of said housing and is pressed and inserted by the wedging portion (31) of the inserting and holding member (4) into the receiving space (30) between the fork-shaped terminal pieces (12, 13) while said flexible flat cable is bent into U-shape along the upper, front and lower surfaces (35, 36, 37) of said wedging portion (31) under the co-operating action of said wedging portion with the contacts (15) of the respective terminal pieces (12, 13) positioned in confronting relation to the upper and lower surfaces of said wedging portion, and when the locking projection (34) of the inserting and holding member has completely come into locking engagement with said locking groove (33) of the housing, the contacts (15) of the fork-like terminal pieces (12, 13) elastically contact with each flat conductor (6) of the flexible flat cable (5) at upper and lower points thereof under the elastic restoring force of the fork-shaped terminal pieces (12, 13) which are slightly opened outwardly by the wedging portion (31).

IPC 1-7  
**H01R 9/07**

IPC 8 full level  
**H01R 13/639** (2006.01)

CPC (source: EP)  
**H01R 12/675** (2013.01)

Citation (search report)  
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