

Title (en)  
Connector housing having secondary locking

Title (de)  
Verbindergehäuse mit Sekundärverriegelung

Title (fr)  
Boîtier pour connecteur à verrouillage secondaire

Publication  
**EP 1189313 A3 20030305 (EN)**

Application  
**EP 01121060 A 20010903**

Priority  
• EP 01121060 A 20010903  
• EP 00120082 A 20000915

Abstract (en)  
[origin: EP1189313A2] A connector (4) having a connector housing (6) with a contact passageway (12) for receiving a contact (40), an opening (64) extending into the contact passageway (12), and a secondary locking member (14) with a retention arm (58) that has a retention head (60) thereupon, where in a first position of the secondary locking member (14) the contact (40) is insertable into the contact passageway (12) and a second position the retention head (60) extends through the opening (64) into the contact passageway (12) to prevent the contact (40) from being withdrawn, the opening (64) is defined by a shoulder (66) and an overhanging supporting member (68), the retention head (64) including a retention shoulder (70) facing the shoulder (66) and an abutting surface (72) facing the overhanging supporting member (68), where upon telescopic movement of the secondary locking member (14) from the first position to the second position the overhanging supporting member (68) and the abutting surface (72) co-operate to guide the retention head (60) into the passageway (12) and engage one another if a pullout force were to be exerted upon the contact (40) in a supporting manner. Additionally, the connector (4) includes a latch (16) that has a main latch arm (20) with an abutment portion (38) that upon depression of an actuation portion (28) of the main latch arm (20) establishes a fulcrum (36) upon a mating connector (18) in order to lift the latch (16) from the catch (30). <IMAGE> <IMAGE>

IPC 1-7  
**H01R 13/627**

IPC 8 full level  
**H01R 13/627** (2006.01)

CPC (source: EP)  
**H01R 13/6272** (2013.01)

Citation (search report)  
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• [X] US 4272145 A 19810609 - LADUKE JACK E  
• [A] EP 0862244 A1 19980902 - SUMITOMO WIRING SYSTEMS [JP]  
• [A] EP 0757411 A2 19970205 - SUMITOMO WIRING SYSTEMS [JP]  
• [A] US 5380217 A 19950110 - YAGI SAKAI [JP], et al

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