

Title (en)  
Circuit board connector

Title (de)  
Leiterplattenverbinder

Title (fr)  
Connecteur de plaques conductrices

Publication  
**EP 1978602 A3 20110323 (DE)**

Application  
**EP 08102920 A 20080326**

Priority  
DE 202007005013 U 20070403

Abstract (en)  
[origin: US2008248678A1] A connector fastening arrangement locks a connector housing to a printed circuit board, thereby to effect engagement between a resilient contact on the housing and a corresponding electrical element on the adjacent top surface of the printed circuit board. A rotary locking member carried by the connector housing extends within a locking bore contained in the adjacent surface of the printed circuit board, the locking member being rotatable between locked and unlocked positions relative to the connector housing. In a preferred embodiment, the locking bore is a through bore, and the locking member extends completely through the locking bore. When the locking member is rotated toward the locked position, an eccentric locking device carried by the extremity of the locking member extends in locking engagement beneath the bottom surface of the printed circuit board. In a second embodiment, the locking device comprises a bayonet fitting arrangement.

IPC 1-7  
**H01R 12/16**

IPC 8 full level  
**H01R 12/55** (2011.01); **H01R 12/57** (2011.01)

CPC (source: EP US)  
**H01R 12/7047** (2013.01 - EP US)

Citation (search report)

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- [A] FR 2231875 A1 19741227 - SPRINGFIX BEFESTIGUNGSTECHNIK [DE]
- [XA] DE 2651345 A1 19780511 - SIEMENS AG
- [A] EP 1237400 A2 20020904 - TEKTRONIX INC [US]

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CN110783745A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**US 2008248678 A1 20081009; US 7658643 B2 20100209**; AT E554516 T1 20120515; CN 101286598 A 20081015; CN 101286598 B 20121107; DE 202007005013 U1 20080807; EP 1978602 A2 20081008; EP 1978602 A3 20110323; EP 1978602 B1 20120418; ES 2386162 T3 20120810

DOCDB simple family (application)  
**US 7976408 A 20080328**; AT 08102920 T 20080326; CN 200810125823 A 20080402; DE 202007005013 U 20070403; EP 08102920 A 20080326; ES 08102920 T 20080326