

Title (en)  
CONNECTOR USING A SHAPE MEMORY ALLOY MEMBER

Publication  
**EP 0123376 A3 19860813 (EN)**

Application  
**EP 84300718 A 19840206**

Priority  
JP 1982483 A 19830210

Abstract (en)  
[origin: EP0123376A2] A connector has thin sheets (2) of shape memory alloy on a surface of a substrate (1), positioned such that the sheets (2) project over a hole in the substrate. A pin (3) is inserted into the hole with the temperature being such that the sheets (2) are easily deformed. A suitable change of temperature causes the sheets (2) to attempt to return to their original shape, thereby establishing a good electrical connection between the sheets (2) and the pin (3). Another change of temperature causes the sheets (2) to stop trying to return to their original shape, making it easy to remove the pin (3). This arrangement makes possible a reliable connector which may easily be made small.

IPC 1-7  
**H01R 4/18; H01R 13/193**

IPC 8 full level  
**H01R 13/03** (2006.01); **H01R 4/01** (2006.01)

CPC (source: EP)  
**H01R 4/01** (2013.01)

Citation (search report)  
[A] FR 2144348 A5 19730209 - RAYCHEM CORP

Cited by  
US4717352A; EP0130719A3; US4753689A; EP2259380A1; US4781605A; FR2579380A1; DE10243900B3; FR3115637A1; US4810201A; US4720270A; EP0196256A1; FR2589287A2; US4687269A; US11283228B2; WO2022084162A1; WO2023016369A1

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 0123376 A2 19841031; EP 0123376 A3 19860813**; JP S59146175 A 19840821

DOCDB simple family (application)  
**EP 84300718 A 19840206**; JP 1982483 A 19830210