

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.

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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

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