Title (en)

POSITIONING DEVICE FOR AN OBJECT

Publication

EP 0061614 B1 19850807 (DE)

Application

EP 82101849 A 19820309

Priority

US 24182181 A 19810309

Abstract (en)

[origin: US4413399A] An apparatus and method are disclosed for precisely positioning an object such as a circuit module (12, 108) by moving it a fixed distance from an unknown initial position, for the purpose, for example, of moving connector pins a fixed distance into associated socket connector springs (136). A resilient spring (40, 42, 100) is compressed between a fixed stop (18, 20, 90) and a member (48, 106) which engages the object; so that the object is moved an unknown distance (A, B, C) to an initial position determined by its encountering resistance which exceeds the force applied by the spring, such as the resistance provided by connector springs when connector pins are inserted. The compression existing in the bias spring is maintained when the initial position is reached while concurrently the engaging member (48, 106) is moved a fixed distance from the initial position, such as the desired insertion distance of connector pins into connector springs. A wedge (64, 124) and lever (72-84, 124-134) linkage maintains the spring compression while moving the engaging member.

IPC 1-7

H01R 13/629

IPC 8 full level

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CPC (source: EP US)

H01R 13/629 (2013.01 - EP US); Y10T 29/49826 (2015.01 - EP US); Y10T 29/53896 (2015.01 - EP US)

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EP 0061614 A1 19821006; **EP 0061614 B1 19850807**; DE 3265148 D1 19850912; JP S57153317 A 19820921; JP S631609 B2 19880113; US 4413399 A 19831108

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