

Title (en)  
SPRING CLAMP ASSEMBLY FOR THERMAL STACKED COMPONENTS

Title (de)  
FEDERKLEMMENANORDNUNG FÜR STAPELKOMPONENTEN

Title (fr)  
SYSTEME D'ETRIER A RESSORT POUR COMPOSANTS EMPILES EN CONTACT THERMIQUE

Publication  
**EP 1029350 A1 20000823 (EN)**

Application  
**EP 97939798 A 19970904**

Priority  
US 9715562 W 19970904

Abstract (en)  
[origin: CA2302357A1] A spring clamp device (14) providing a compressive stress to a stack of components includes a spring member (28) and a bracket (26) having attachment structure for engaging mating structure near the bottom of the stack. The bracket (26) is first engaged with the mating structure such that it straddles the stack. The spring member (28) is then latched to the bracket (26) under tension in an assembled configuration, thereby applying an upward reaction on the mating structure with the attachment structure of the bracket (26) and applying a downward reaction force to the top of the stack with the spring member (28). The oppositely directed forces apply a compressive stress to the stack, which improves thermal contact between the components.

IPC 1-7  
**H01L 23/34**; **H05K 7/20**

IPC 8 full level  
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