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- (71) Applicant (for all designated States except US): GLOB-
ALFOUNDRIES INC. [US/—]; Maple Corporate Ser-
vices Limited, P.O. Box 309, Ugland House, Grand Cay-
men, KY1-1194 (KY).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): CHILD, Craig
[US/US]; 107 Roundhill Road, Hopewell Junction, NY
12533 (US).
- (74) Agent: TAKAHASHI, Mark; Ingrassia Fisher & Lorenz,
P.C., 7010 E. Cochise Rd., Scottsdale, AZ 85253 (US).
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(54) Title: INTERCONNECT STRUCTURE FOR A SEMICONDUCTOR DEVICE WITH A RESILIENT STRESS AB-
SORBER AND RELATED METHOD OF MANUFACTURE

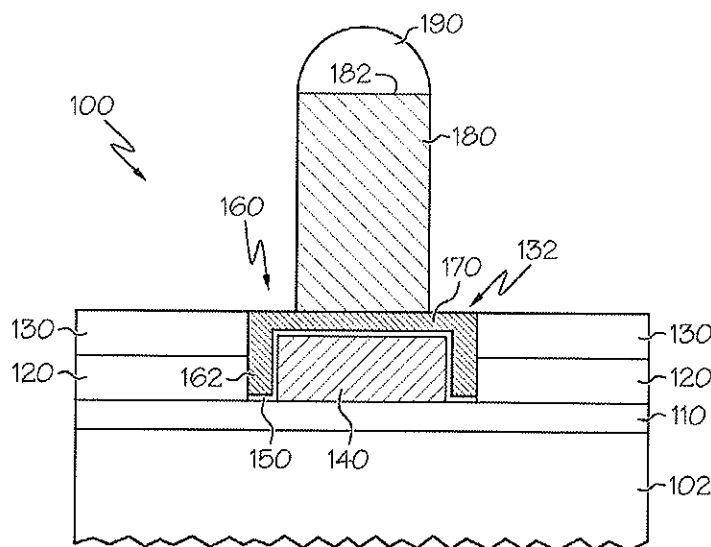


FIG. 3

(57) Abstract: A semiconductor device (50) having a device substrate (102) is provided. The semiconductor device (50) comprises an electrically conductive pad (110) formed overlying the device substrate (102), an electrically conductive platform (160) formed overlying the electrically conductive pad (110), and a pillar interconnect (180) formed on the electrically conductive platform (160). The electrically conductive platform (160) having a perimeter portion (162) extending away from the electrically conductive pad (110) and a capping portion (170) atop the perimeter portion (162), wherein the electrically conductive platform (160) encloses a cavity located between the capping portion (170), the perimeter portion (162) and the electrically conductive pad (110), a cushioning material (140) being disposed in the cavity, the cushioning material (140) being intended to act as a resilient stress absorber upon application of force on the pillar interconnect (180).