

CLAIMS

What is claimed is:

1. A dynamic mounting system for attaching one object to another, comprising:

a first object and a second object;

5 a rotatable screw, having a head at a top end and a shank having an unthreaded portion extending downward from said head and a threaded portion at a bottom end of greater diameter than said unthreaded portion;

an internally threaded nut rigidly affixed to said second object;

a biasing compression member acting between said screw and the first object; and

10 said screw being received by said nut rotatably advanceable by threaded engagement therewith and advanceable to a pre-determined maximum depth, where the screw threads extend beyond and disengage from the nut threads.

2. The dynamic mounting system of Claim 1 wherein the elements are selected such that a pre-determined clamp load is applied to components located between said first and second

15 objects at the point of advancement when the screw threads disengage from the nut threads.

3. The dynamic mounting system of Claim 2 wherein said first object is a heat sink.

4. The dynamic mounting system of Claim 2 wherein said second object is a circuit board.

5. The dynamic mounting system of Claim 1 wherein said compression biasing member
20 is a coil spring which surrounds the shank of the screw and acts upon the head of the screw.