

NON-LINEAR VERTICAL LEAF SPRING

ABSTRACT

An electrically conductive contact element can include a first base and a second base with elongate, spaced apart leaves between the bases. A first end of each leaf can be coupled to the first base and an opposite second end of the leaf can be coupled to the second base. A body of the leaf between the first end and the second end can be sufficiently elongate to respond to a force through said contact element substantially parallel with the first axis and the second axis by first compressing axially while said force is less than a buckling force and then bending while said force is greater than the buckling force.

Figure 1