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Abstract

PHASED PERFORATING GUNS

A perforating gun having a base structure made of a deformable material. The base structure includes support rings integrally attached to one another by connector portions. The capsule charges are mounted in corresponding support rings, and each support ring is adjustable by selective deformation of the base structure to face in one of a plurality of directions to provide a plurality of combinations of phasing patterns.

(FIGURE 8A)