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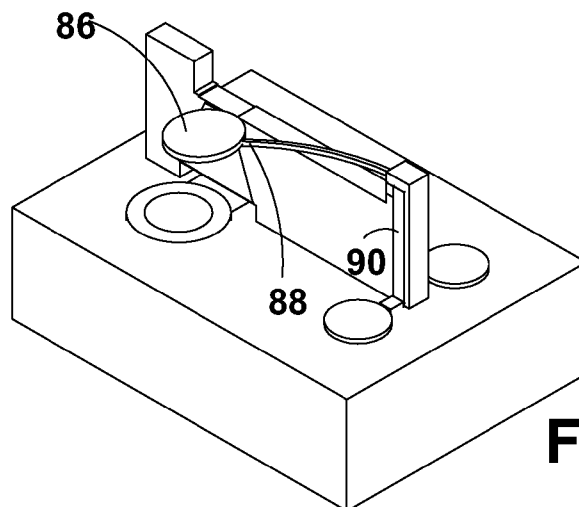


Fig. 4C

(57) Abstract: A controlled pyrotechnic train implementing a MEMS chip portion for use as an igniter of a charge. The train includes the following: an initiator; a blocker for blocking the entire train; a deflector of the blocker, and an output charge. In some embodiments the initiator is electromagnetic energy, in which case the blocker may be any appliance used in optics.