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(54) Title: SENSING AND RESPONDING TO AN EXPLOSION LOCAL TO A VEHICLE

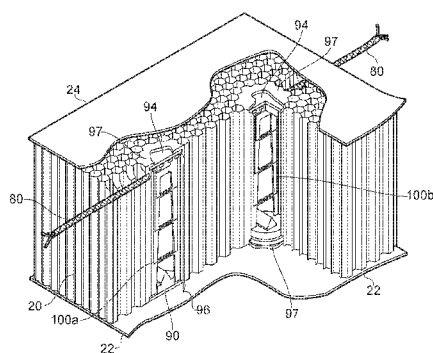


FIG. 7

(57) Abstract: A vehicle and a sensor for use in the vehicle is disclosed. The vehicle comprises: a sensor array configured to detect an explosion by sensing, at different heights within a base of the vehicle, mechanical deformation of the base of the vehicle caused by the explosion; and control circuitry configured to respond to detection of the explosion by causing a groundwards force to be applied to the vehicle that depends upon inputs, characterising the explosion, provided by the sensor array. The sensor comprises: at least one support; a first frangible electrical connection, for conveying an electrical signal, held by the at least one support at a first height and configured to enable a force to be detected via breakage of the first frangible electrical connection; and a second frangible electrical connection, for conveying an electrical signal, held by the at least one support at a second height different from the first height and configured to enable a force to be detected via breakage of the second frangible electrical connection.

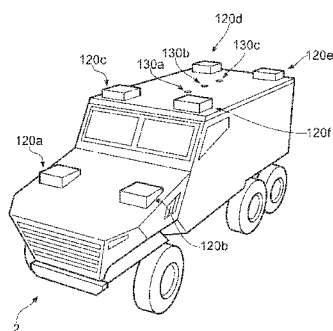


FIG. 13



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, —
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