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(54) **Title:** A WARHEAD

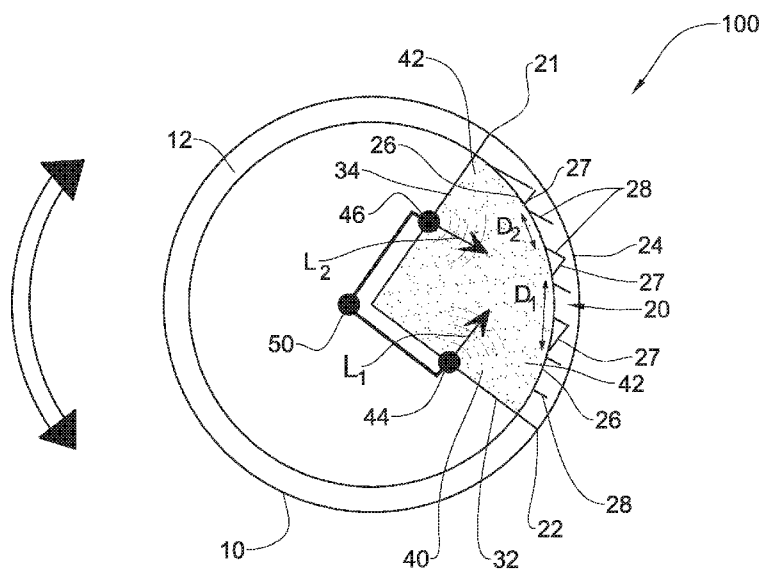


Fig. 2B

(57) **Abstract:** A warhead configured for being mounted in a missile for hitting a target, the warhead comprising: a shell having a rotational symmetry about a longitudinal axis; a shell effective sector extending along said axis, with first and second pluralities of weakenings in said shell, each extending along and having respective first and second orientations relative to said longitudinal axis, such that upon exertion of an explosion force on the weakenings from a corresponding first or second direction, respective first or second explosion fragments are generated; and a first surface and a second surface, each extending along the longitudinal axis, and defining, together with said shell effective section, a cavity for accommodating an explosive charge; each of said surfaces being oriented so that upon initiation of detonation of the explosive charge adjacent to said first or said surface, shock waves propagating therefrom are directed towards the respective first or second plurality of weakenings in said respective first or second direction, so as to exert said explosion force thereon, thereby generating said first or second explosion fragments, respectively.