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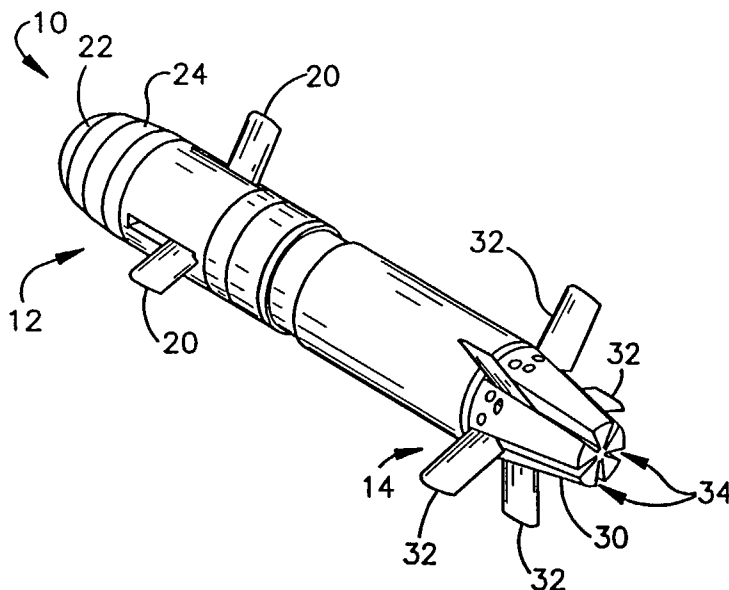
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(54) Title: MISSILE WITH ODD SYMMETRY FINS



(57) Abstract: A missile (10), either a powered missile or an unpowered projectile, includes a freely-rolling tail assembly (14) having an odd number of fins (32). Having an odd number of fins may reduce oscillations caused by the rotation of the freely-rotating tail. This may make a more stable platform for a seeker (22), such as an uncooled focal point array or other imaging infrared (IIR) or millimeter wave radio frequency (MMW) seeker, in the body of the missile. Also, minimizing oscillation by using an odd number of fins may facilitate control of the missile.

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