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(71) Applicant: LOCKHEED MARTIN CORPORATION [US/US]; 6801 Rockledge Drive, Bethesda, MD 20817 (US).

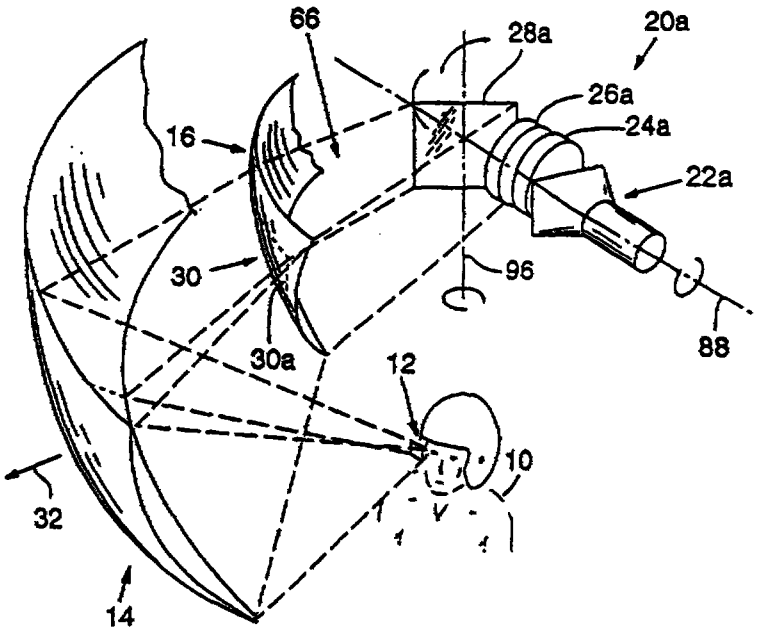
(72) Inventor: YOUNG, C., Gilbert; 1331 College Point, Winter Park, FL 32789 (US).

(74) Agents: CHIN, Gay et al.; Martin Marietta Corporation, 6801 Rockledge Drive, Bethesda, MD 20817 (US).

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(54) Title: SIMULATION DISPLAY SYSTEM



(57) Abstract

A compact display system simulates a panoramic view (30) to an observer (10) located at a central viewing station (12). A toric mirror (14), comprising a compressed portion of a sphere, has a concave reflective surface disposed in surrounding relation to the given viewing station (12) while a spherical rear projection screen (16) which receives projected image light (66) on its inner surface presents a panoramic image (30) to the toric mirror from its outer surface. A plurality of projectors (20a) are disposed tangentially above the upper periphery of the rear projection screen (16) and project associated portions of the light image (30a) onto the inside of the screen (16) via folded mirrors (28a). Each projector (20a) includes a high intensity CRT and a color shutter.