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(54) Title: VARIABLE THREE-DIMENSIONAL CAMERA ASSEMBLY FOR STILL PHOTOGRAPHY

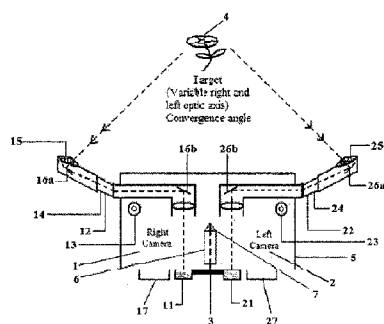


FIG. 1A

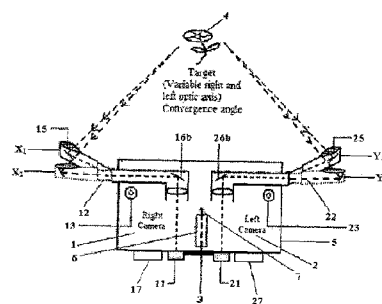


FIG. 1B

(57) **Abstract:** The embodiments herein provide a variable three-dimensional camera assembly for still photography. The assembly consists of a housing (5) to encase two cameras (1,2) for capturing and projecting left and right eye views. The telescopically movable arms (12,22) are fixed to the housing (5) and fixed with two objectives (15,25). The arms (12,22) are moved manually or using a motorized control to enable the objectives (15,25) to converge on a desired target simultaneously. The images captured by the cameras (1,2) are passed through the two eyepieces (11,21) to project a three-dimensional image. A single common control unit (6) regulates the image processing units (3) provided for simultaneous three-dimensional viewing of the images of the target object (4). A horizon parallel indicator system (7) is arranged to hold the cameras horizontally. A multi position primary lens/prism/mirrors complex unit (LMPC4) is provided to adjust the convergence accurately to improve the three-dimensional effect.