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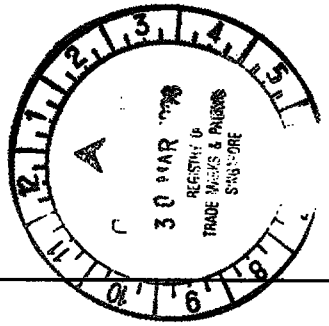
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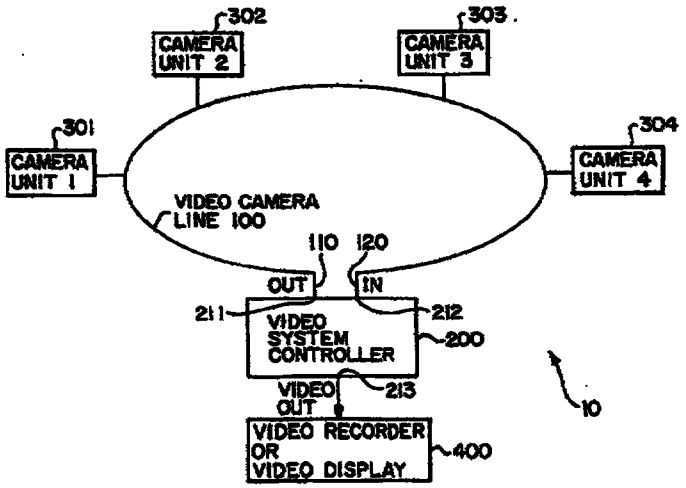
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(54) Title: VIDEO MULTIPLEXER



(57) Abstract

A video system controller (200) inserts synchronization pulses on a video camera line (100), which create a frame of video on the video camera line. The video system controller also inserts camera code in the active video period of a non-viewed line of the frame of video. A plurality of camera units (301-304) are connected to the video camera line and use the synchronization pulses placed on the video camera line to remain synchronized with the other camera units. Upon sensing a particular camera code on the video camera line, the camera unit which corresponds with the particular camera code will insert a video image signal into the active video time period of the viewed video line for the frame of video having the particular camera code therein. The video camera code returns to the video system controller which receives the frame of video having a composite of the synchronization pulses from video system controller and the video image signal therein. The video system controller then transmits a video image signal to a video recorder or display (400).