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(19) **United States**(12) **Patent Application Publication****Kim et al.**(10) **Pub. No.: US 2004/0172656 A1**(43) **Pub. Date: Sep. 2, 2004**(54) **TWO-WAY AUDIO/VIDEO CONFERENCING SYSTEM****Publication Classification**(51) **Int. Cl.⁷** **H04N 7/173; H04H 9/00; H04N 7/16**(52) **U.S. Cl.** **725/109; 725/111; 725/112; 725/13**(76) **Inventors: Myong Gi Kim, Long Grove, IL (US); Arthur Yerkes, Chicago, IL (US)**

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(57) **ABSTRACT**

A method and apparatus are provided for exchanging audio/visual information between a caller and a called party through the Internet. The method includes the steps of setting up a session link between the caller and called party using a tunneled real time control protocol and collecting audio and video information from the caller and called party. The method further includes the steps of forming the audio and video portions into data objects, attaching a time stamp to each formed data object and exchanging the formed audio and video data objects as real time packets using a transport control protocol between the caller and called party through the session link.

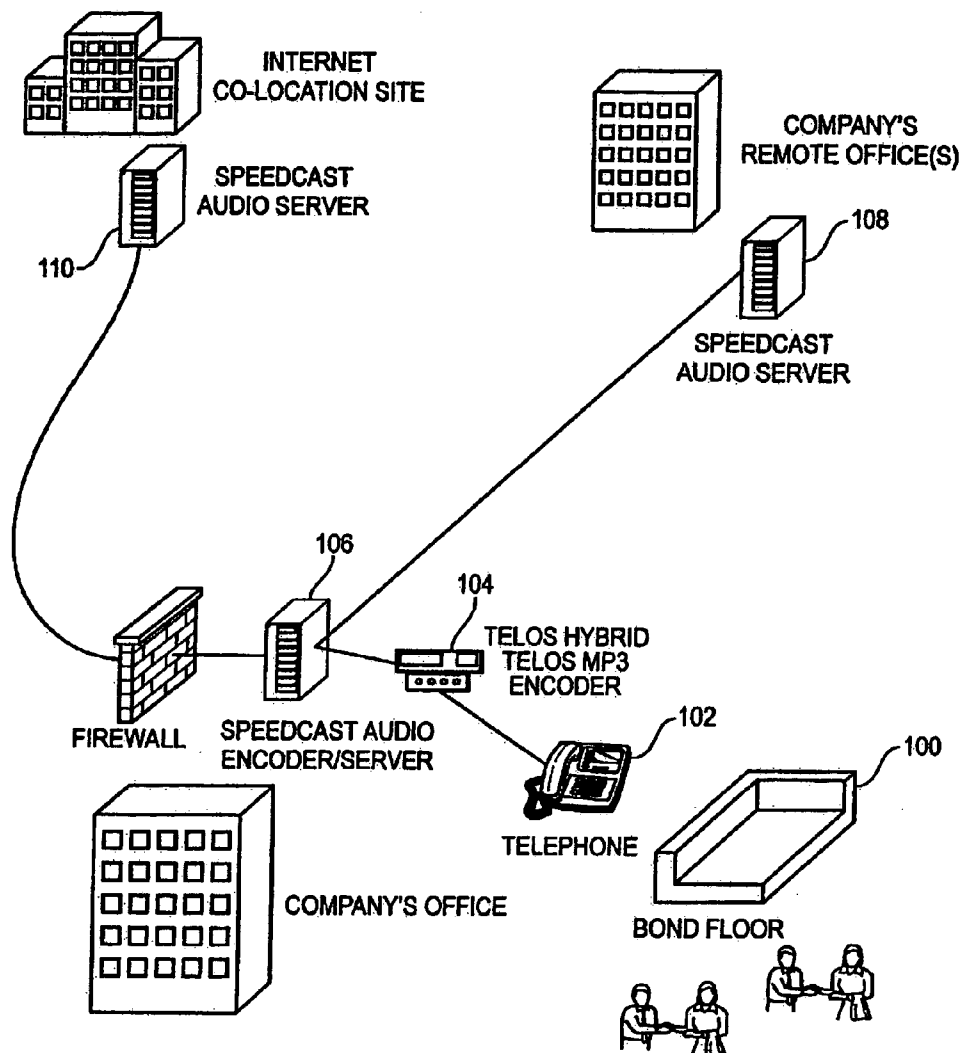
(21) **Appl. No.: 10/758,883**(22) **Filed: Jan. 16, 2004****Related U.S. Application Data**(63) **Continuation-in-part of application No. 10/376,866, filed on Feb. 28, 2003.**

FIG. 1

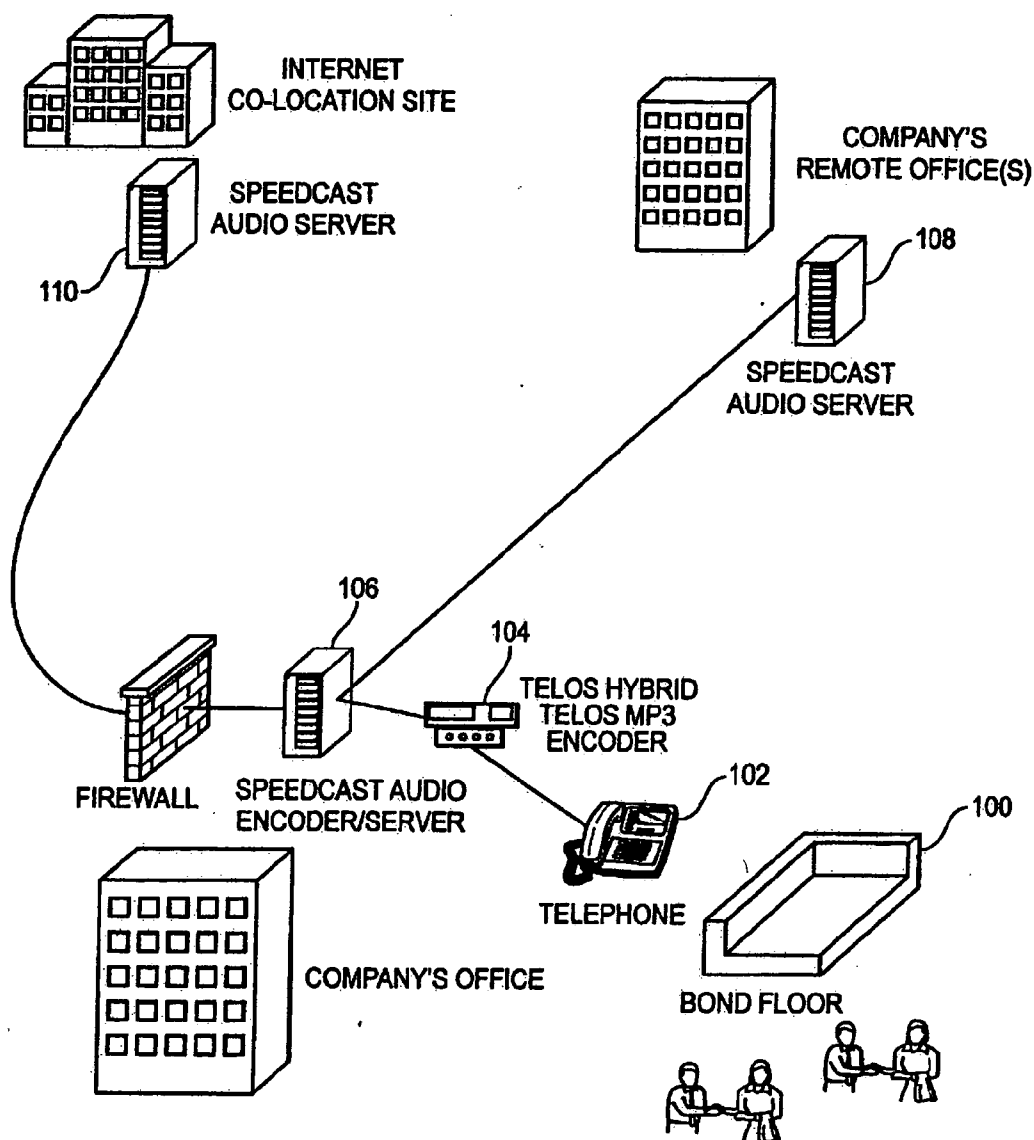


FIG. 2

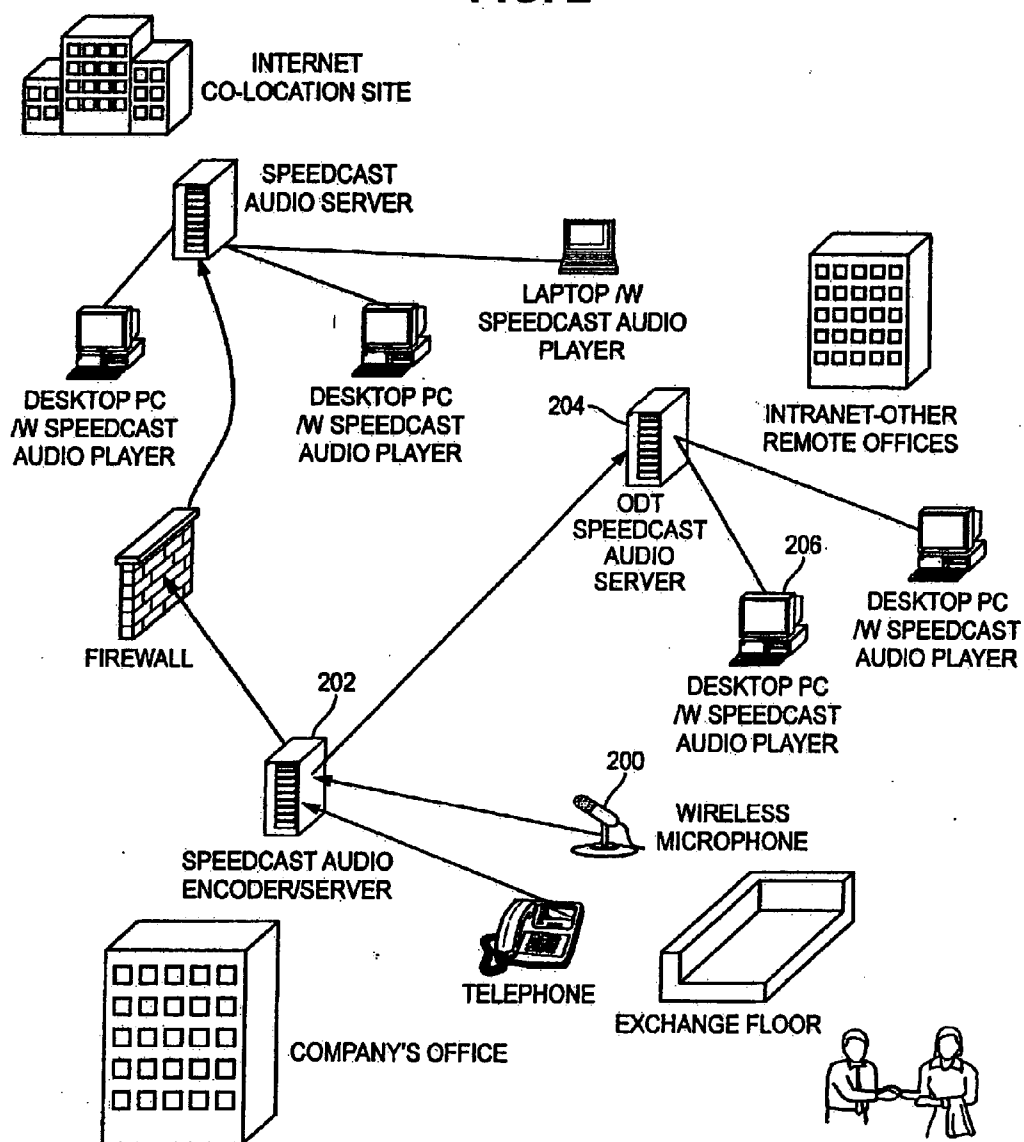


FIG. 3

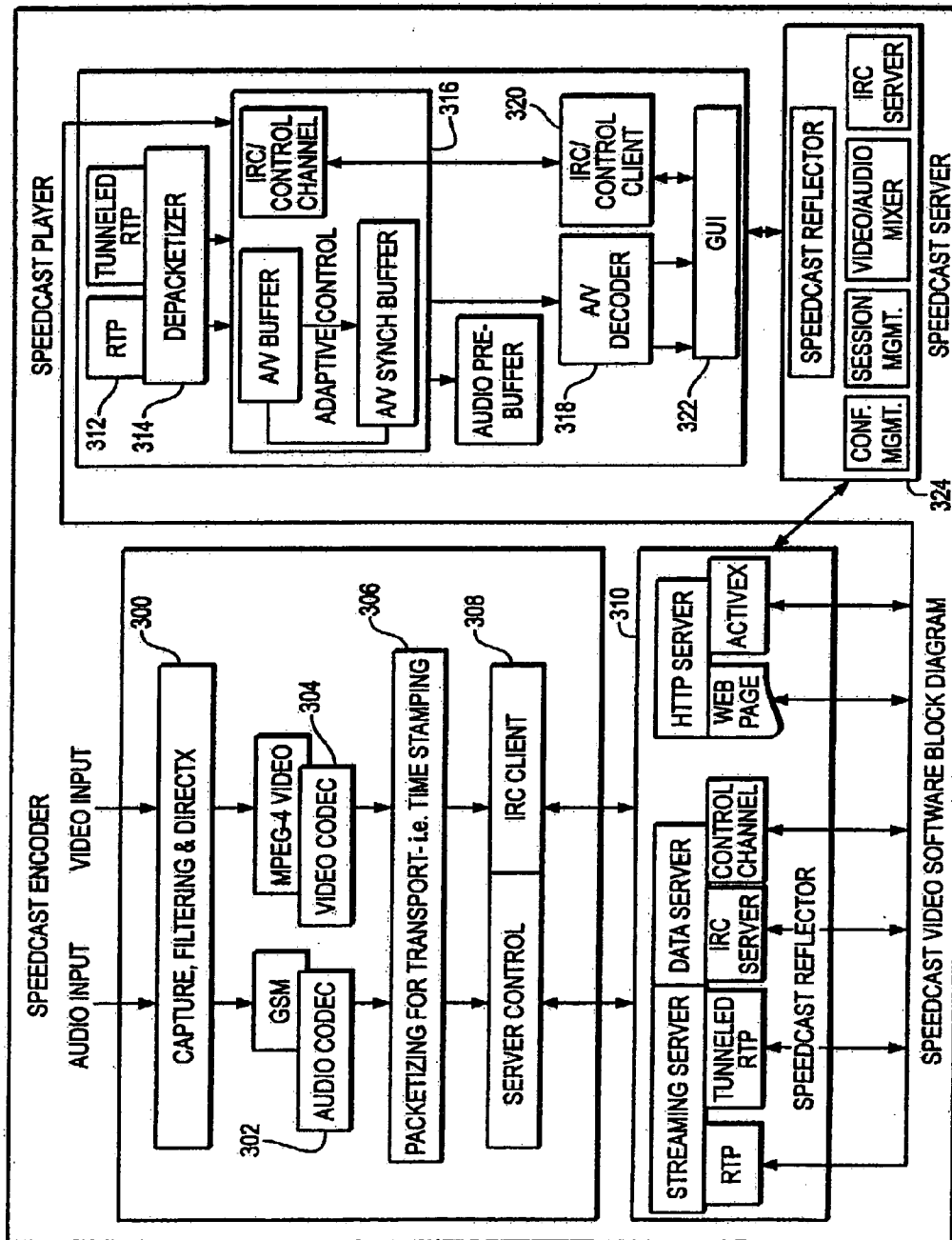


FIG. 4

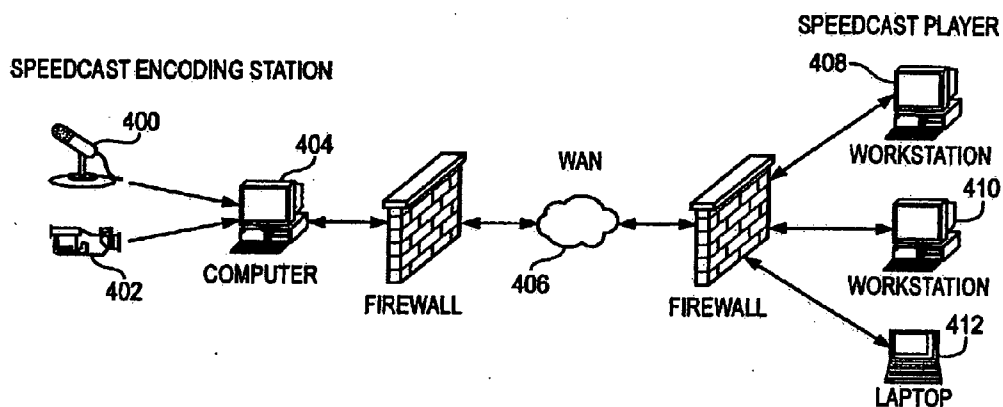
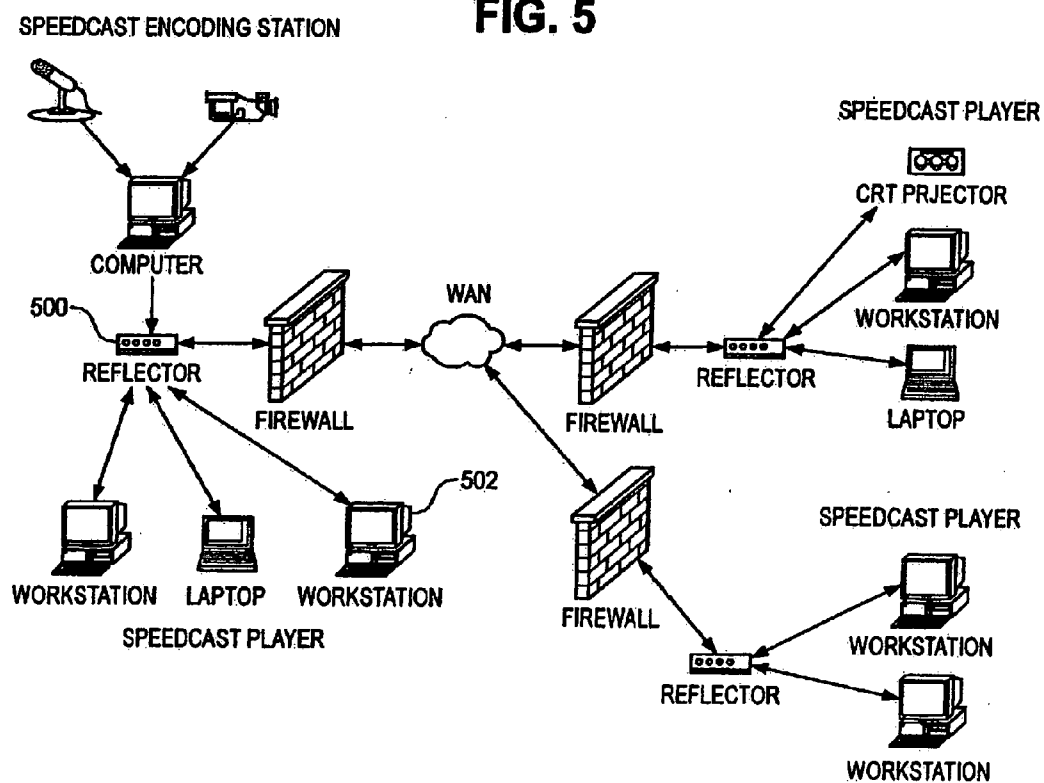


FIG. 5



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