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(54) **COUNTERFEIT STB PREVENTION THROUGH PROTOCOL SWITCHING**

(52) **U.S. Cl. 709/219; 709/229; 713/200**

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(57) **ABSTRACT**

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- Continuation-in-part of application No. 09/709,948, filed on Nov. 10, 2000.
- Continuation-in-part of application No. 09/584,832, filed on May 31, 2000, now Pat. No. 6,557,030.

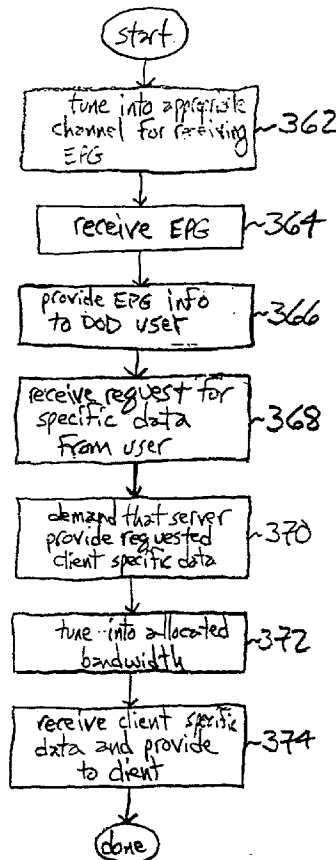
Publication Classification

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The present invention teaches a universal STB operative to prevent unauthorized access to digital broadcast data including: a databus; a first communication device suitable for coupling to a digital broadcast communications medium, the first communication device operable to receive digital broadcast data; memory bi-directionally coupled to the databus, the memory including computer executable instructions for: a). determining whether the STB is authentic or counterfeit; b). performing anti-counterfeit measures upon the STB when the device is determined to be counterfeit; and c). updating a communications protocol of the STB when the STB is determined to be authentic; a digital data decoder bi-directionally coupled to the databus; a central processing unit (CPU) bi-directionally coupled to the databus, the CPU implementing a STB control process controlling the memory, the first communications device and the digital decoder, the STB control process operable to process digital data received at the first communications device.

FIG 4

360 ↘



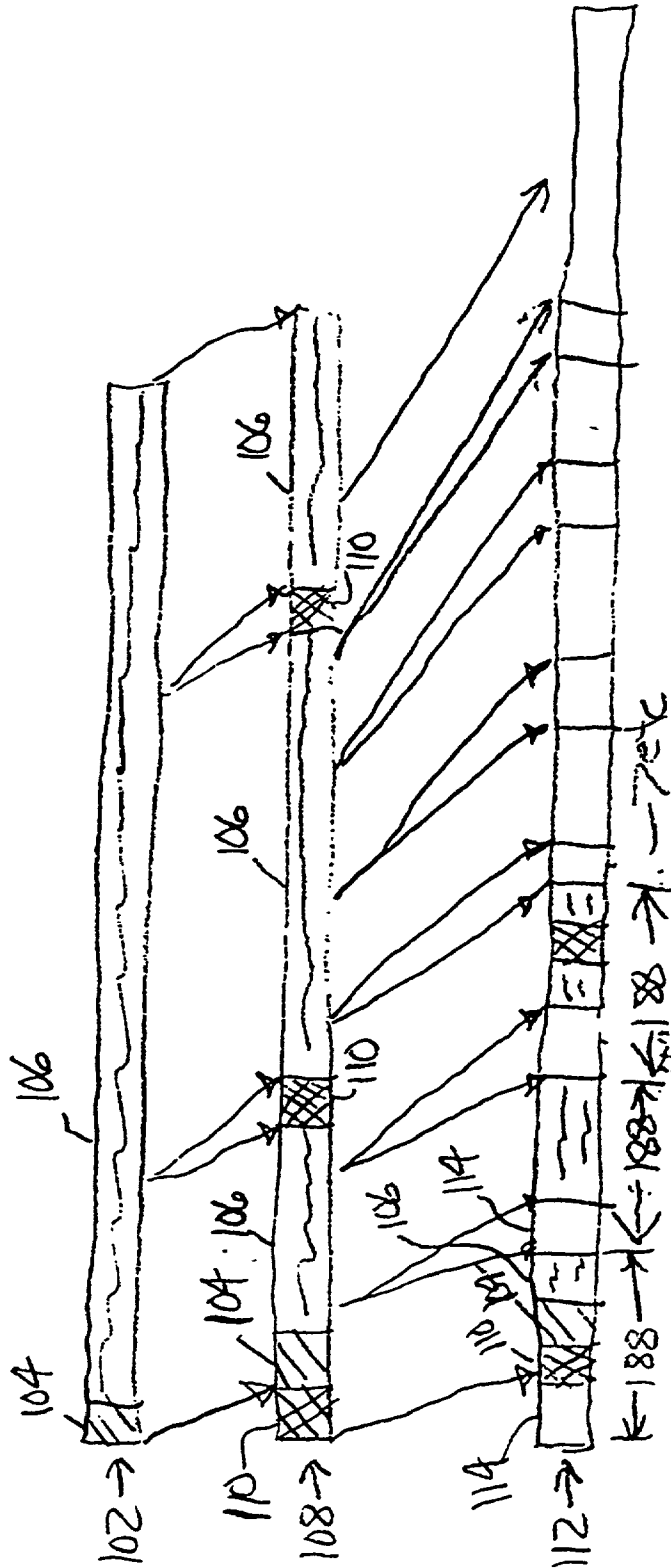


FIG 1
(PRIOR ART)

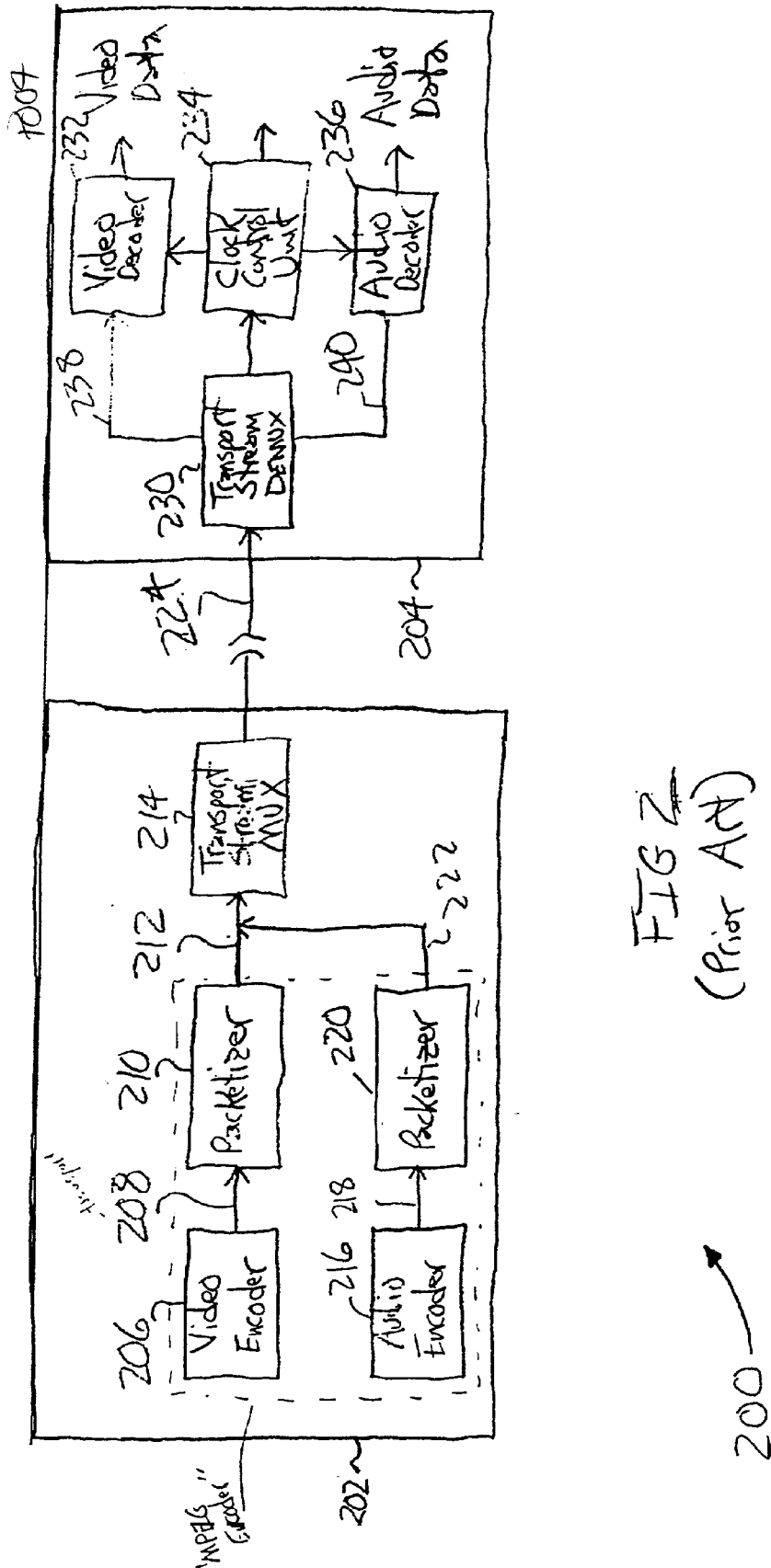


FIG 2
(Prior Art)

1004

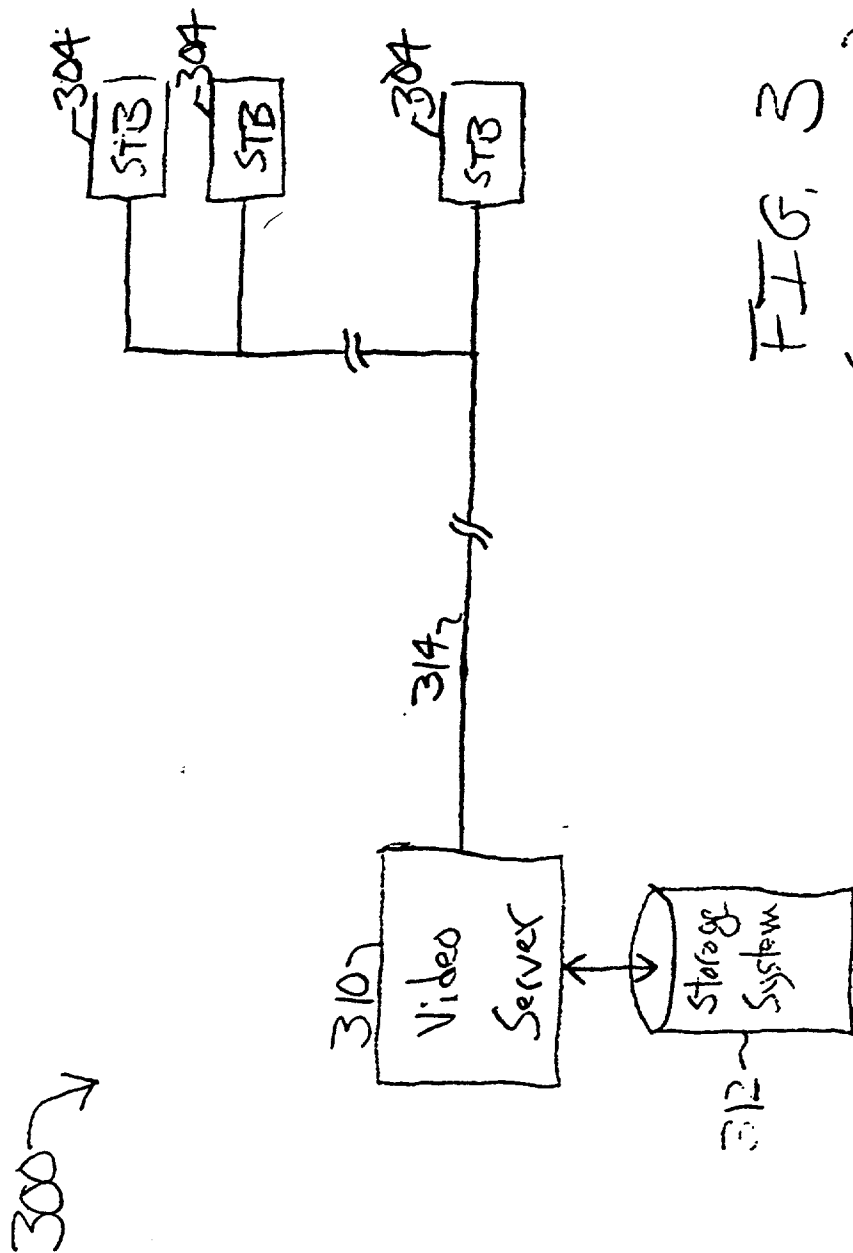


FIG. 3
(PRIOR ART)

Proof

$$\text{Total Required BW} = \sum_{i=1}^n \text{bw}_i$$

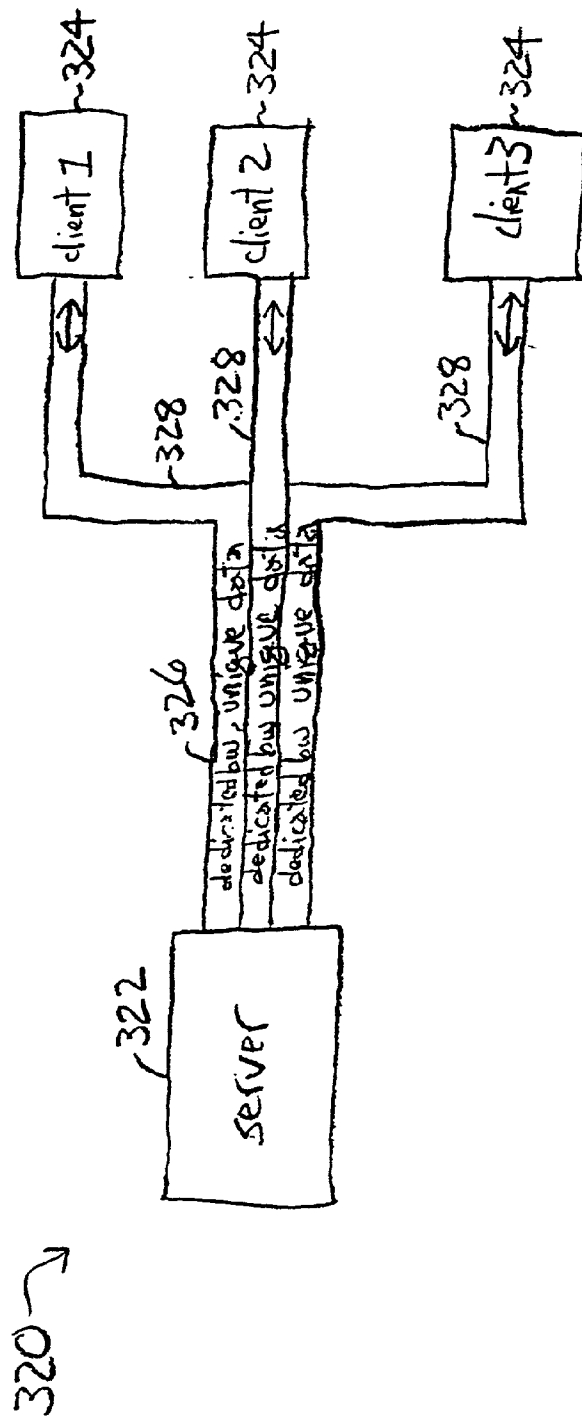


FIG. 4
(Prior Art)

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