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# (12) United States Patent

### Landry et al.

### (54) WIRELESS EXTENSION FOR CABLE TELEVISION SIGNALS

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- (73) Assignee: Entropic Communications, Inc., San Diego, CA (US)
- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 503 days.
- (21) Appl. No.: 10/621,884
- (22) Filed: Jul. 17, 2003

### Related U.S. Application Data

- (60) Provisional application No. 60/397,056, filed on Jul. 18, 2002.
- (51) Int. Cl. *H04N 5/38* (2006.01) *H04N 7/18* (2006.01)
- (52) U.S. Cl. ..... 348/723; 725/81; 725/78

### (10) Patent No.: US 7,151,575 B1 (45) Date of Patent: Dec. 19, 2006

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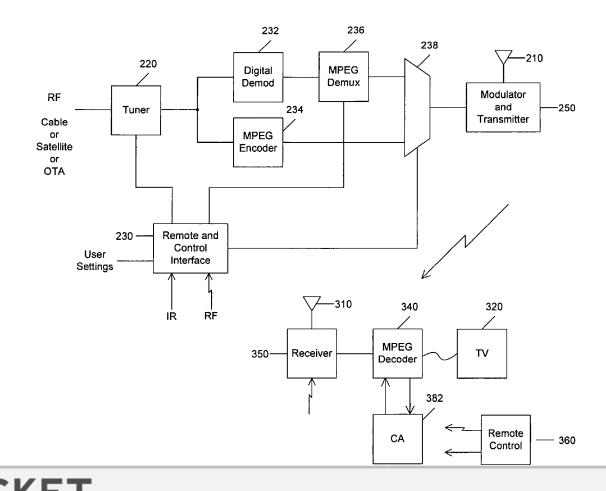
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### (57) **ABSTRACT**

A wireless link provides an extension to cable television signals for a television receiver that does not have access to a coaxial cable. Analog and digital cable channels are processed and transmitted over the wireless link. Security of the signal is provided by transmitting encrypted data and decrypting at the receiving node. The conditional access encryption inherent in the data can insure communication security or encryption may be performed at the transmitting node.

### 5 Claims, 9 Drawing Sheets

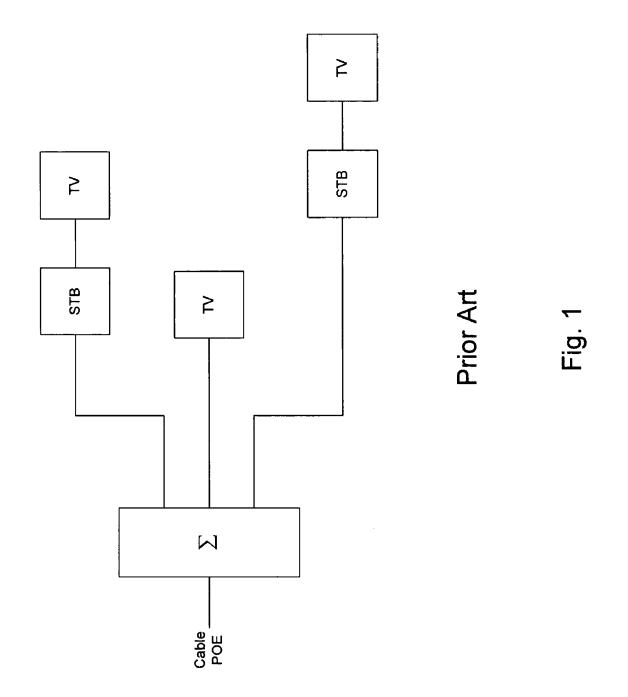


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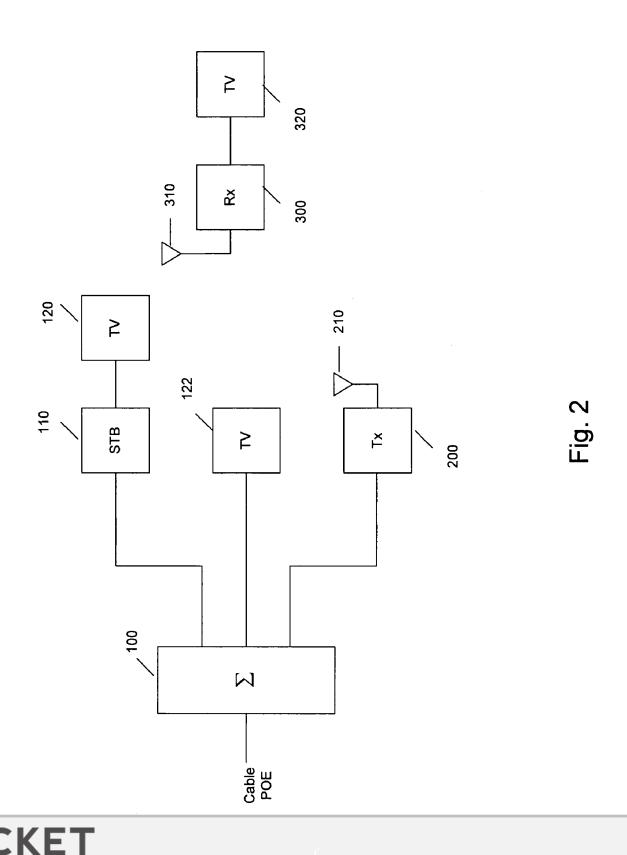
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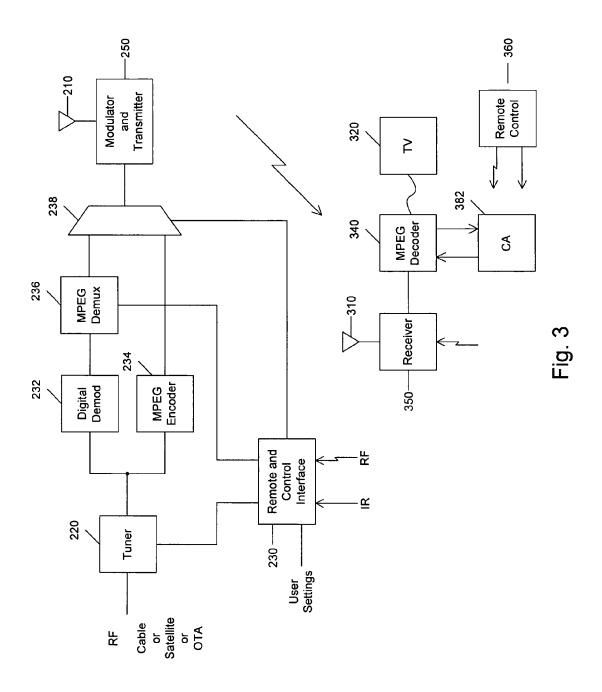
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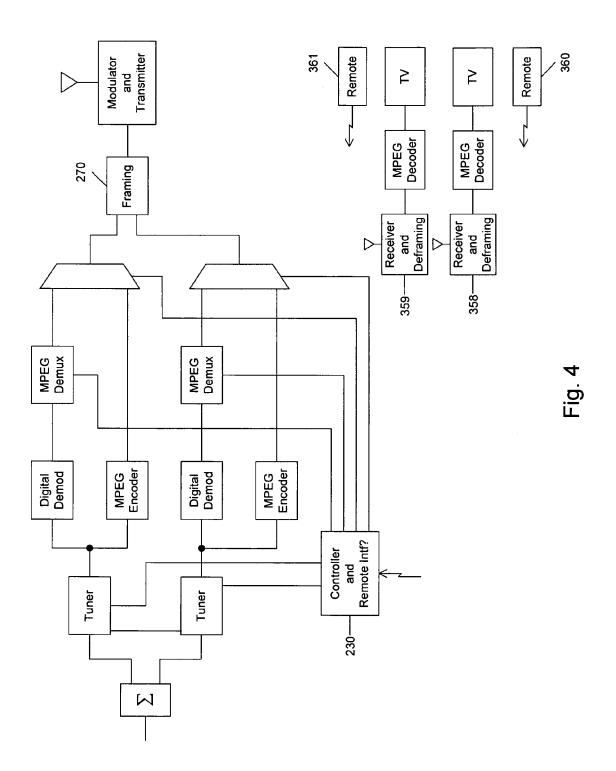
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