Parsing of digital bit streams

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Parsing of digital bit streams including both data information and programming information: Methods and system for parsing a digital bit stream which includes both data information and programming information are described. The method is based on the programming information contained in the bit stream.

Buffer for receiving and temporarily storing a segment of a digital bit stream: The method and system comprises of a buffer for receiving and temporarily storing a segment of a digital bit stream. A mode selector determines whether the bit stream segment represent a mode selection code. A parser mode is selected in accordance to the mode selection code. A control circuit receives and stores the bit stream segment. The control circuit is reprogrammed with newly received program information to generate parsing signals. A data processor parses the received bits in accordance with parsing signals and provides parse data to the data memory.

The bit stream parsing technique is fully adaptable to the syntax used in the bit stream without the requirement of interrupting the parsing operation to reprogram the bit stream parser every time a new syntax is encountered.

Inventors

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