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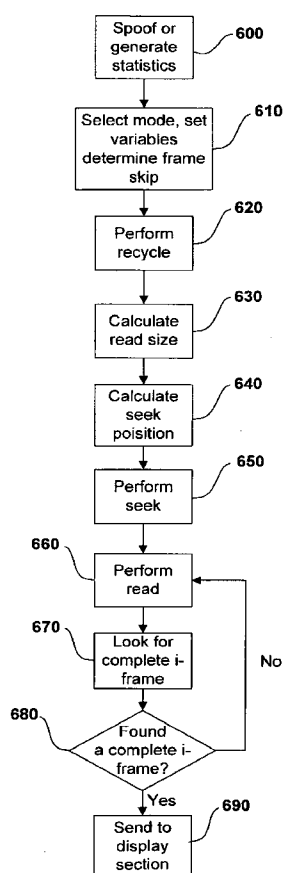
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(54) Title: METHOD AND APPARATUS FOR RECEIVING, STORING, AND PRESENTING MULTIMEDIA PROGRAMMING WITHOUT INDEXING PRIOR TO STORAGE



(57) Abstract: A method and apparatus (100) for improved digital recording and presentation of broadcast information is disclosed. Received broadcast data, which may include video, audio, private, or other data, relating to one or more particular content programs, is presented from an input section (120) to a buffer (220) and recorded directly onto a storage device (150) without any intelligent parsing, such as indexing, and without any manipulation by intermediate hardware or software functions. Upon normal presentation, statistics may be generated to determine the ideal number of frames to skip, the number of bytes to seek, and the size of data files to read from the storage device (150) during time-shifted presentation. Algorithms and processes are provided to dynamically optimize time-shifted presentation. In this way, data may be captured to the storage device (150) more efficiently and economically, and the time-shifted presentation operations may be performed in a smoother, more nuanced manner with the application of appropriate probabilistic algorithms.

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