APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT FOR TRANSCODING A CODED MULTIPLEXED SOUND AND MOVING PICTURE SEQUENCE

ABSTRACT

An apparatus for transcoding a coded multiplexed sound and moving picture sequence is disclosed. The apparatus comprises a rate converter (600), which is operated to compress video bit streams, which have extremely large information volume. The compression includes the following steps: (a) operating a MPEG-2 TS demultiplexer (620) to demultiplex input MPEG-2 transport streams into video TS, audio TS, and system information TS; (b) operating a MPEG-2 video transcoder (640) to transcode the video TS to generate output video TS having information volume less than the video TS; (c) operating a system controller (650) to modify or not to modify part of the system information TS in accordance with the output MPEG-2 transport streams; (d) operating a MPEG-2 TS multiplexer (620) to multiplex the video TS transcoded, TS, and partly-modified or not modified system information TS into output MPEG-2 transport streams, and output the output MPEG-2 transport streams.

Fig. 1.