EFFICIENT PROCESSING OF COMPRESSED COMMUNICATION TRAFFIC (Ramot)

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A method for processing communication traffic includes receiving an incoming stream of compressed data conveyed by a sequence of data packets, each containing a respective portion of the compressed data.

The respective portion of the compressed data contained in the first packet is stored in a buffer, having a predefined buffer size. Upon receiving a subsequent packet, at least a part of the compressed data stored in the buffer and the respective portion of the compressed data contained in the subsequent packet are decompressed, thereby providing decompressed data. A most recent part of the decompressed data that is within the buffer size is recompressed and stored in the buffer.

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