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(54) Title: GENERAL-PURPOSE PROCESSOR INSTRUCTION TO PERFORM COMPRESSION/DECOMPRESSION OPERATIONS

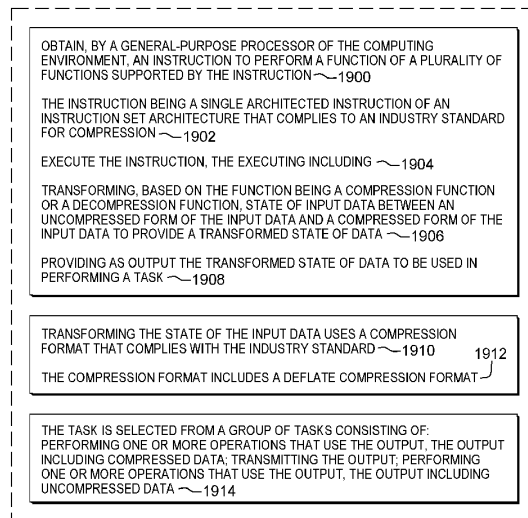


FIG. 19A

(57) Abstract: A DEFLATE Conversion Call general-purpose processor instruction. An instruction is obtained by a general-purpose processor of the computing environment. The instruction is a single architected instruction of an instruction set architecture that complies to an industry standard for compression. The instruction is executed, and the executing includes transforming, based on a function to be performed by the instruction being a compression function or a decompression function, state of input data between an uncompressed form of the input data and a compressed form of the input data to provide a transformed state of data. The transformed state of the data is provided as output to be used in performing a task.

[Continued on next page]

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