

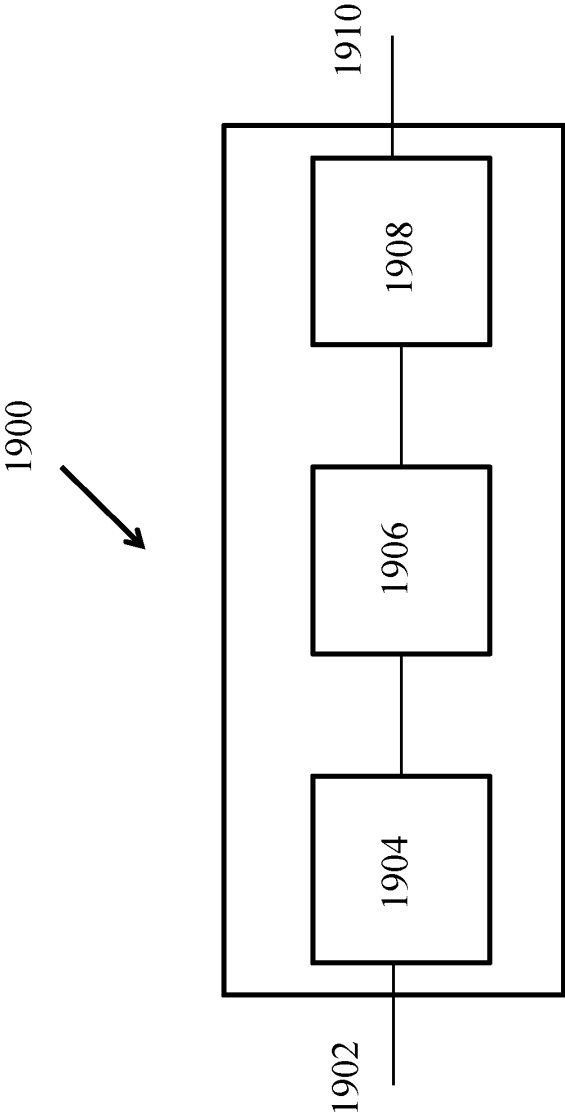


FIG. 1

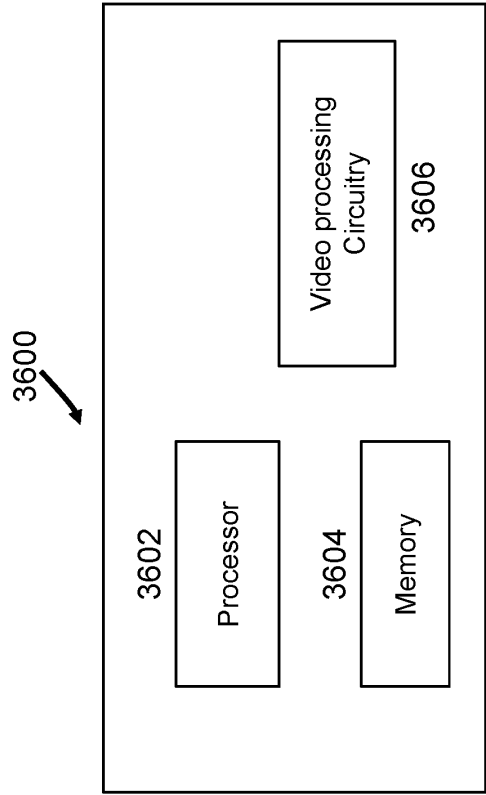


FIG. 2

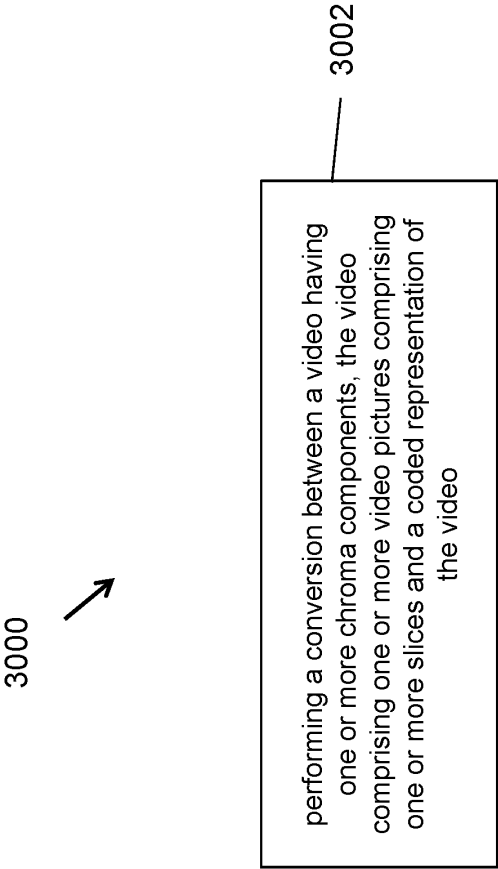


FIG. 3

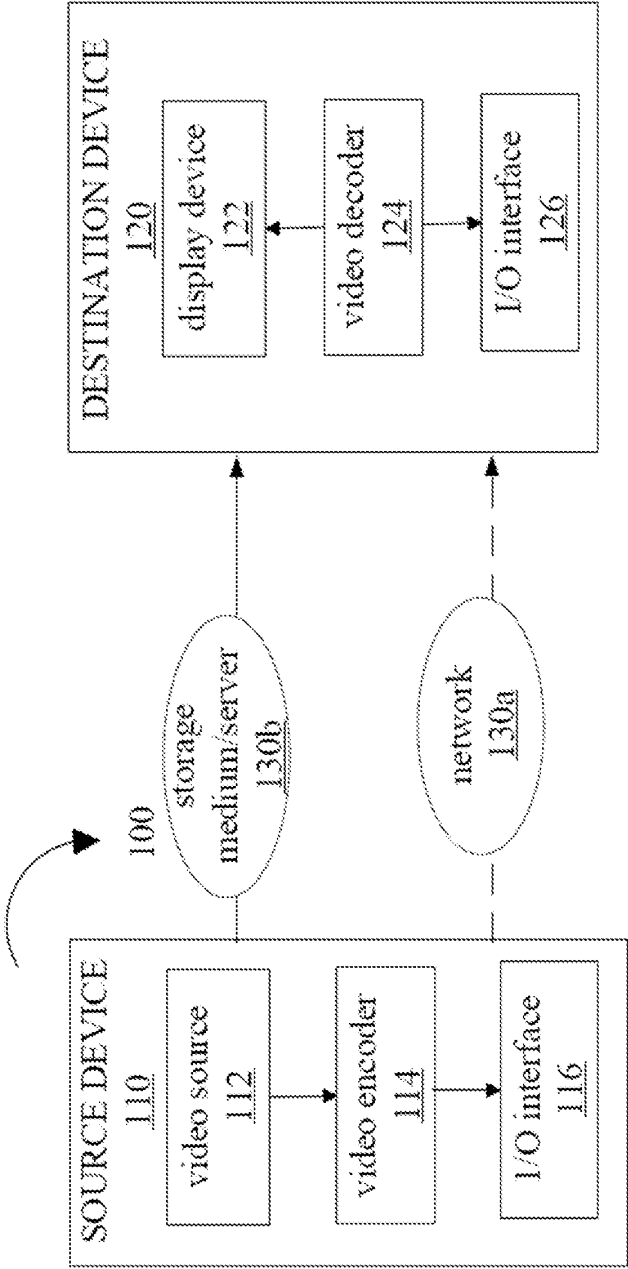


FIG. 4

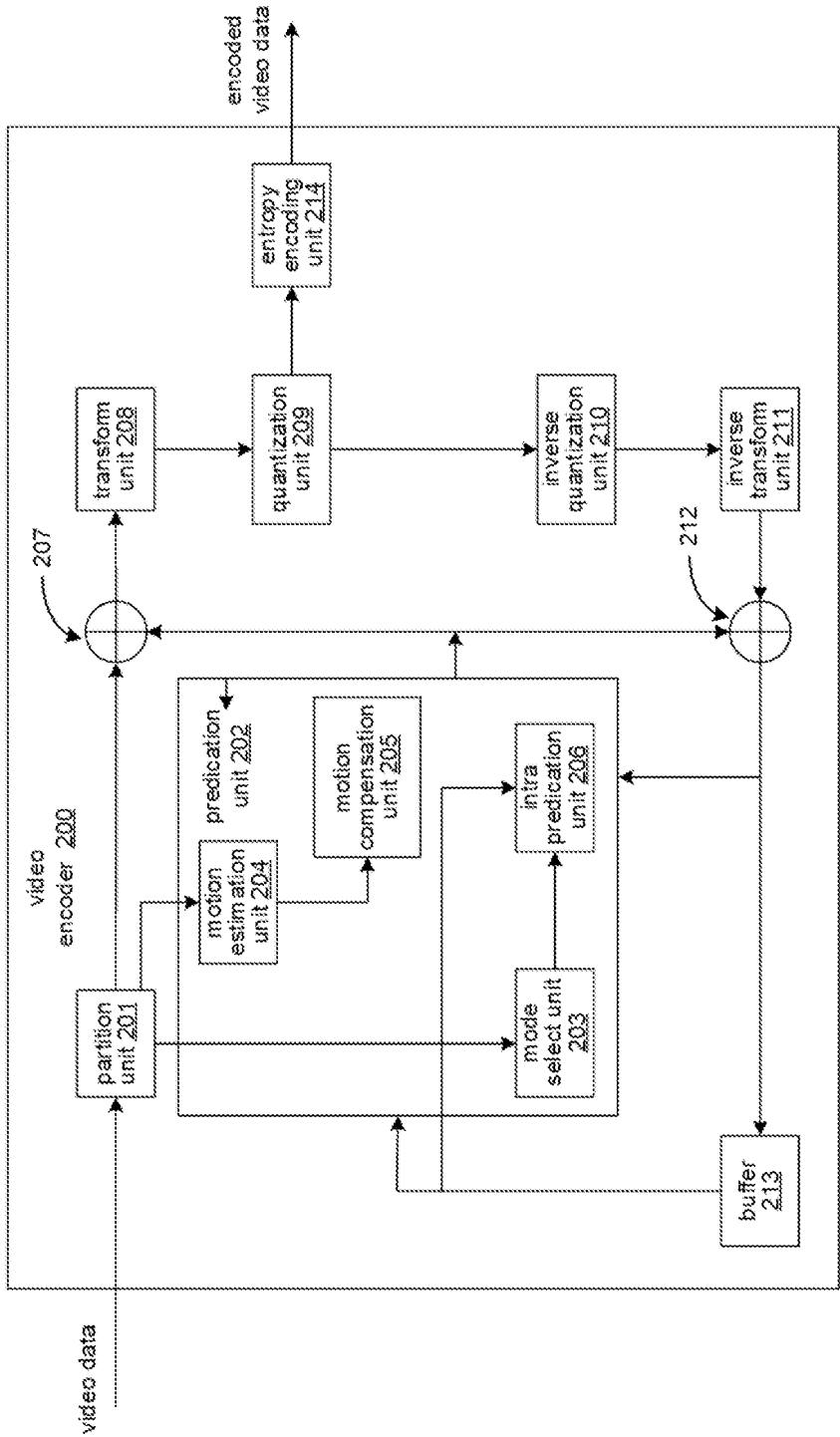


FIG. 5

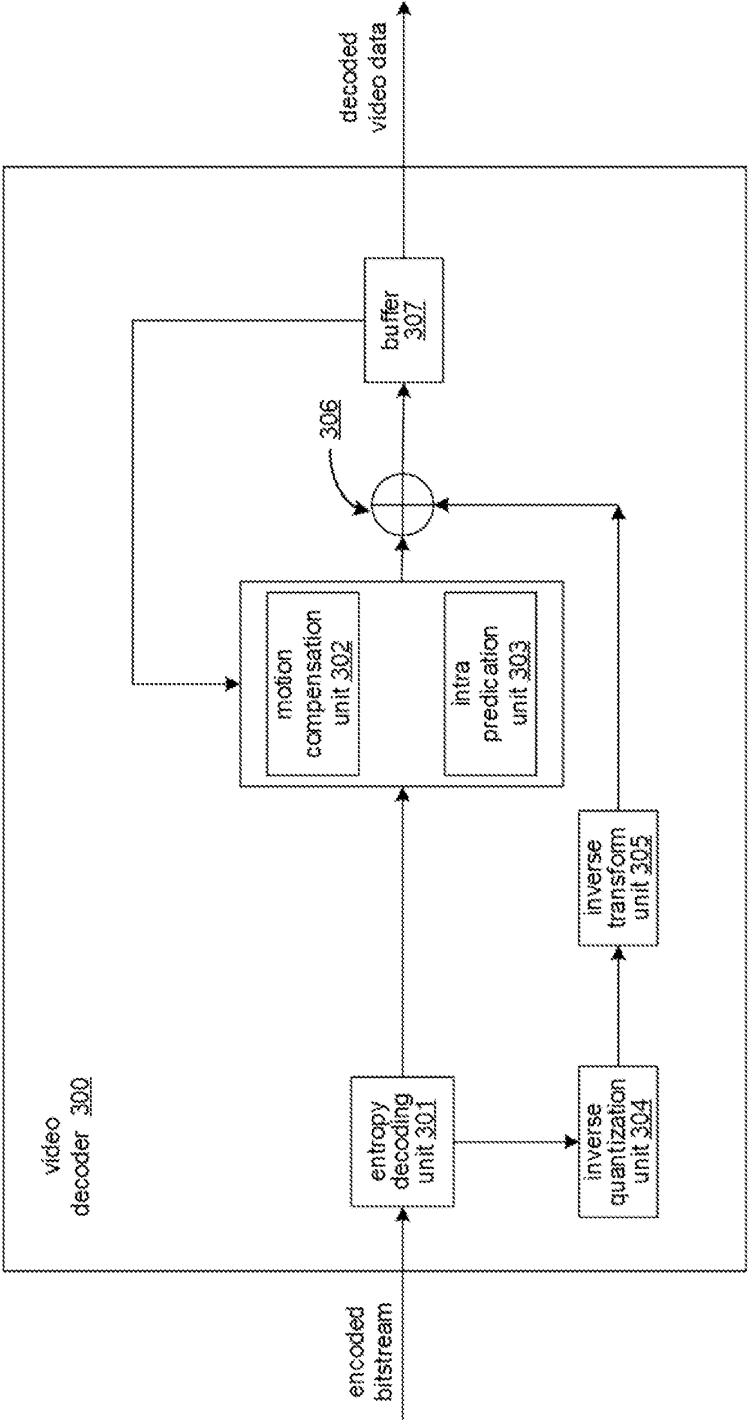
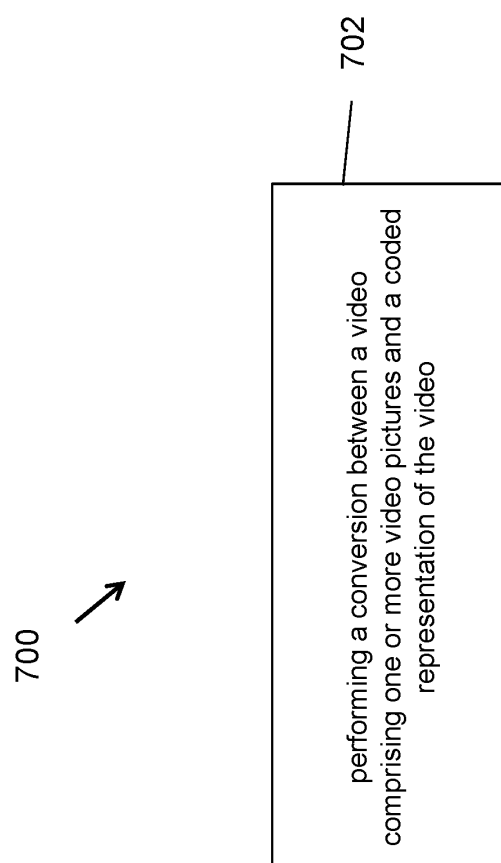


FIG. 6

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**FIG. 7**

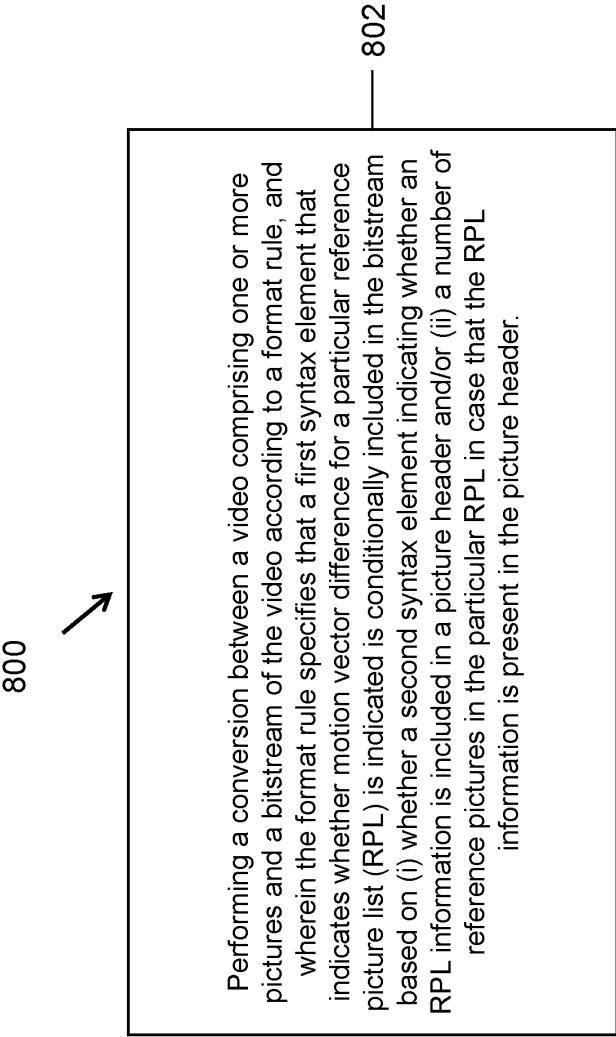


FIG. 8A

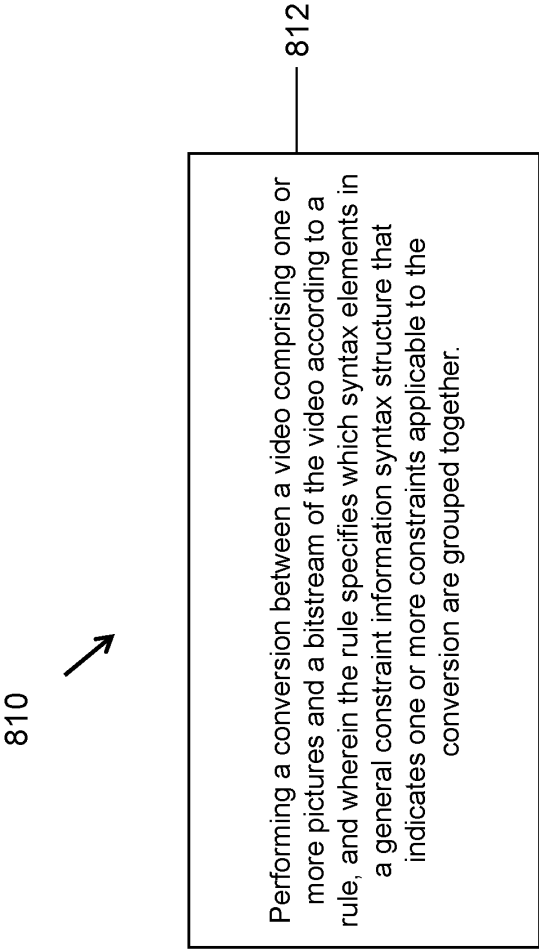
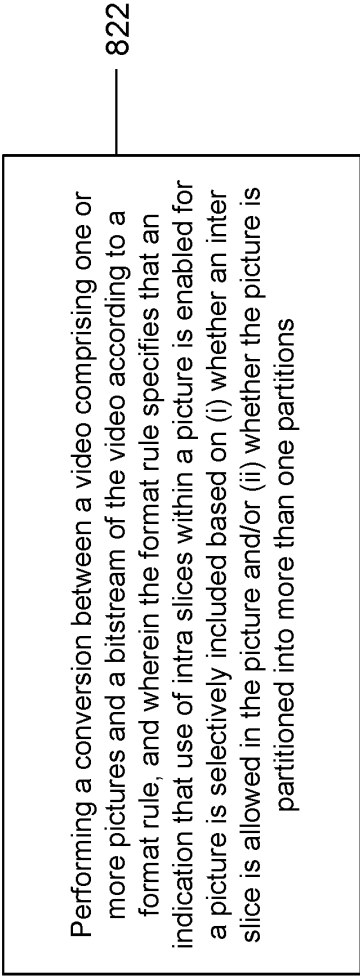


FIG. 8B

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FIG. 8C

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Performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a format rule, and wherein the format rule specifies that a first syntax element that indicates whether a decoder motion vector refinement (DMVR) tool is disabled is conditionally included in the bitstream based on (i) whether a second syntax element indicating whether a reference picture list (RPL) information is included in a picture header (PH), and/or (ii) a number of reference pictures in a RPL in case that the RPL information is present in the PH, and/or (iii) whether a flag indicative of applicability of the DMVR tool included at a sequence parameter set level in the bitstream is equal to a certain value.

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FIG. 8D

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Performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a format rule, and wherein the format rule specifies that a first syntax element that indicates whether to disable a bi-directional optical flow (BDOF) tool is conditionally included in the bitstream based on (i) whether a second syntax element indicating whether a reference picture list (RPL) information is included in a picture header (PH), and/or (ii) a number of reference pictures in a RPL in case that the RPL information is present in the PH, and/or (iii) a flag indicative of applicability of the BDOF tool at a sequence parameter set level.

FIG. 8E

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Performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a format rule, and wherein the format rule specifies that a first syntax element that indicates whether a collocated picture used for temporal motion vector prediction is derived from reference picture list 0 is conditionally included based on (i) a second syntax element indicating whether a reference picture list (RPL) information is signaled in a picture header (PH), and/or (ii) a number of reference pictures in a RPL in case that the RPL information is present in the PH, and/or (iii) a flag indicative of an applicability of a temporal motion vector prediction (TMVP) tool for coding a current picture.

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FIG. 8F

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Performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a format rule, and wherein the format rule specifies whether a first syntax element indicating a table of prediction weights is conditionally included in the bitstream based on (i) a second syntax element indicating whether weighted prediction (WP) information is included in a picture header (PH), and/or (ii) a third syntax element indicating whether a reference picture list (RPL) information is included in the PH, and/or (iii) a number of reference pictures in a RPL in case that the RPL information is present in the PH, and/or (iv) a fourth syntax element indicating an applicability of weighted prediction and/or a fifth syntax element indicating an applicability of weighted bi-prediction that is included in a picture parameter set.

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FIG. 8G

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Performing a conversion between a video comprising one or more pictures and a bitstream of the video according to a format rule, and wherein the format rule specifies that a first syntax element that indicates a number of weights signalled for entries in a particular reference picture list is conditionally included in a syntax structure indicating a table of prediction weight parameters of the bitstream based on (i) a second syntax element indicating whether weighted prediction (WP) information is included in a picture header and/or (ii) a third syntax element indicating whether reference picture list (RPL) information is included in the picture header, and/or (iii) a number of reference pictures in the particular RPL, and/or (iv) a fourth syntax element included in a picture parameter set and indicating an applicability of explicit weighted prediction to B slices referring to the picture parameter set.

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FIG. 9