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(54) **PREDICTION ENCODER/DECODER AND PREDICTION ENCODING/DECODING METHOD**

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(57) **ABSTRACT**

A prediction encoder/decoder and a prediction encoding/decoding method. The prediction encoder includes a prediction encoding unit starting prediction from a origin macroblock of an area of interest of a video frame, continuing prediction in a direction of ripple scanning with respect to a square ring that includes macroblocks and surrounds the origin macroblock, and encoding video by performing intra-prediction in 8x8 block units using information about a macroblock that has been just coded in a square ring including a macroblock to be coded and at least one of macroblocks that are adjacent to the macroblock to be coded in a square ring that has been just coded.

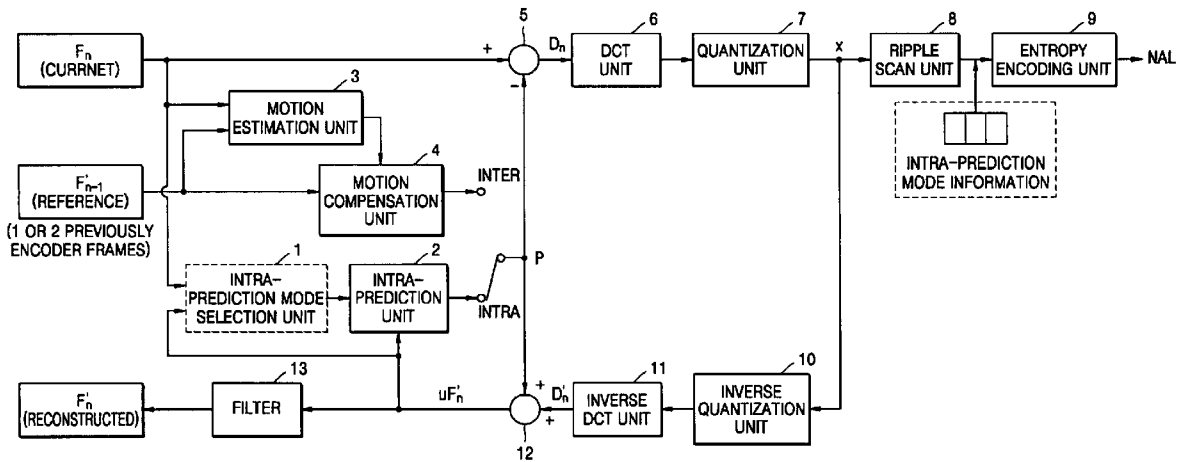


FIG. 1 (PRIOR ART)

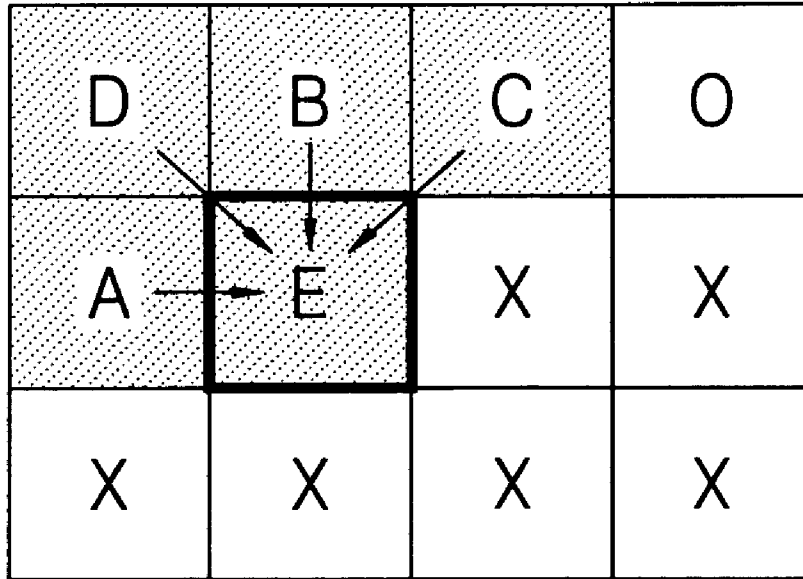


FIG. 2 (PRIOR ART)

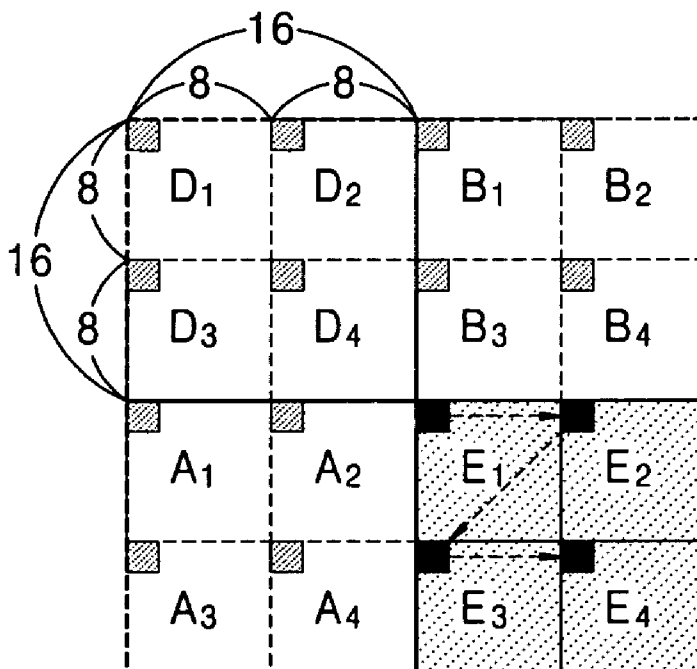


FIG. 3A (PRIOR ART)

FIG. 3B (PRIOR ART)

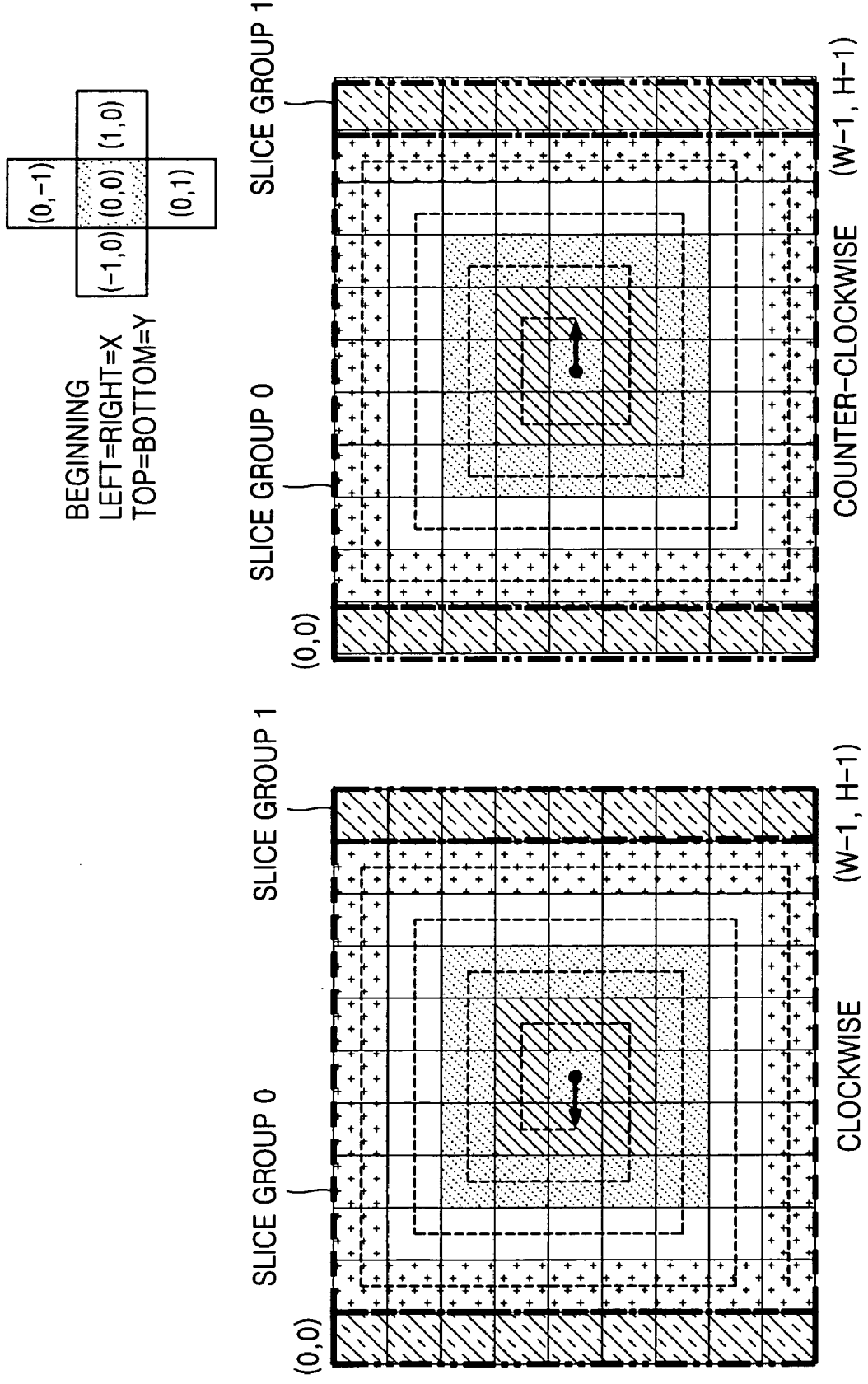


FIG. 4

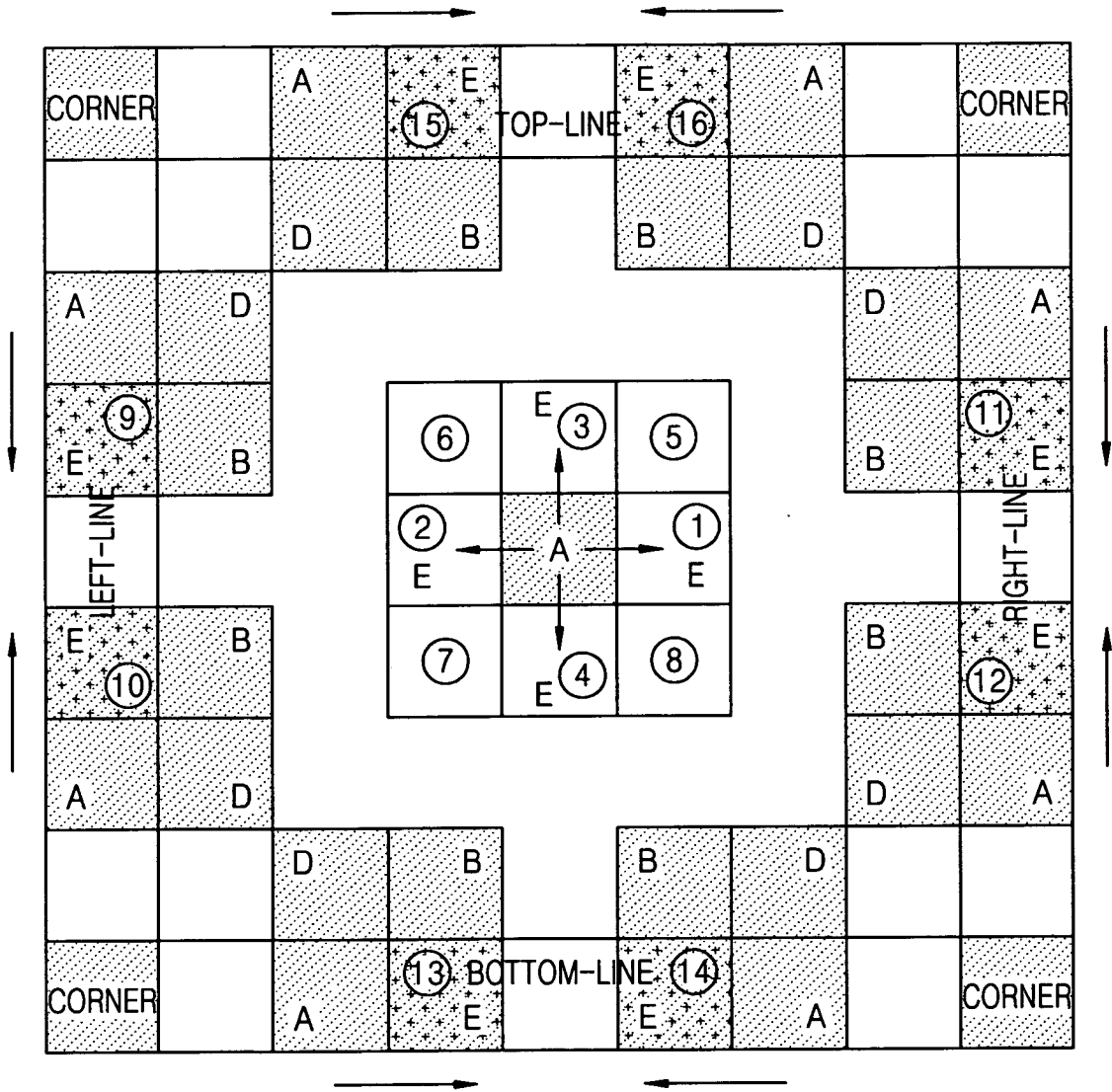


FIG. 5A

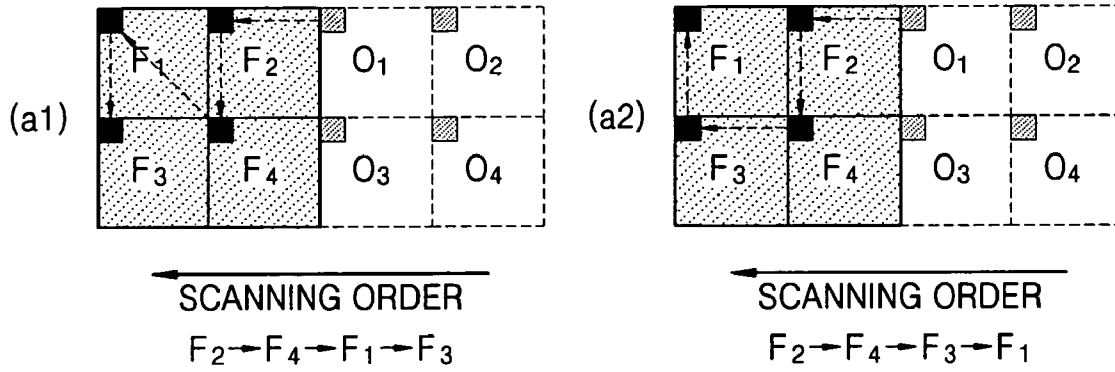
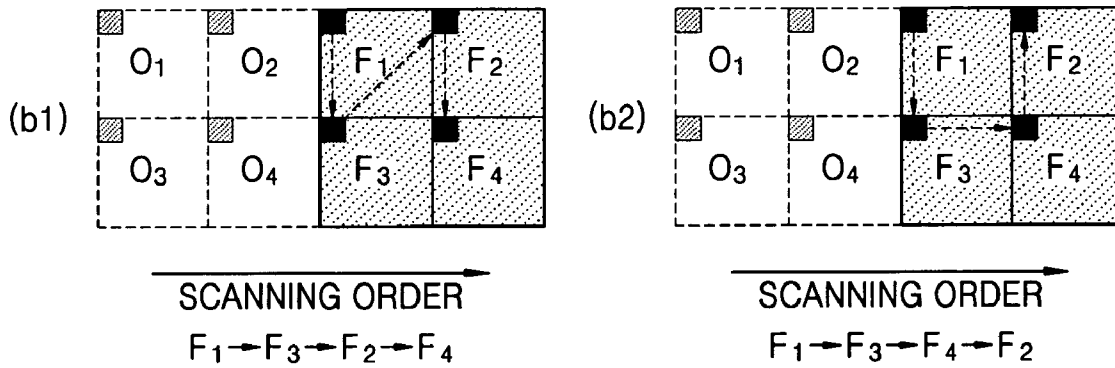


FIG. 5B



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