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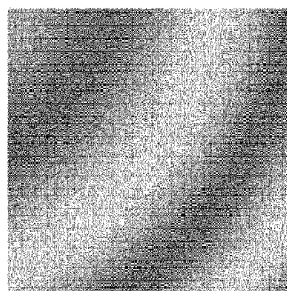
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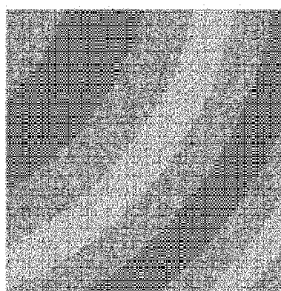
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(54) Title: FILM GRAIN SYNTHESIS USING MULTIPLE CORRELATED PATTERNS

Target picture



Template selection



Correlated patterns

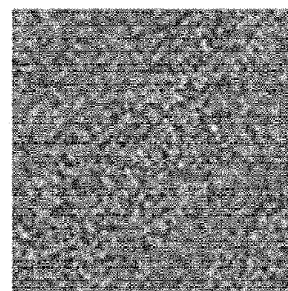


FIG. 9

(57) Abstract: System, methods, and instrumentalities are disclosed for performing film grain synthesis using correlated and/or mixed patterns. A device may split an image into a plurality of blocks. The device may generate a set of correlated film grain patterns for a block of the plurality of blocks. The device may select, from the set of correlated film grain patterns, a correlated film grain pattern to apply to a pixel of the block.

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