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(54) Title: REDUCTION OF FILM GRAIN PATTERNS

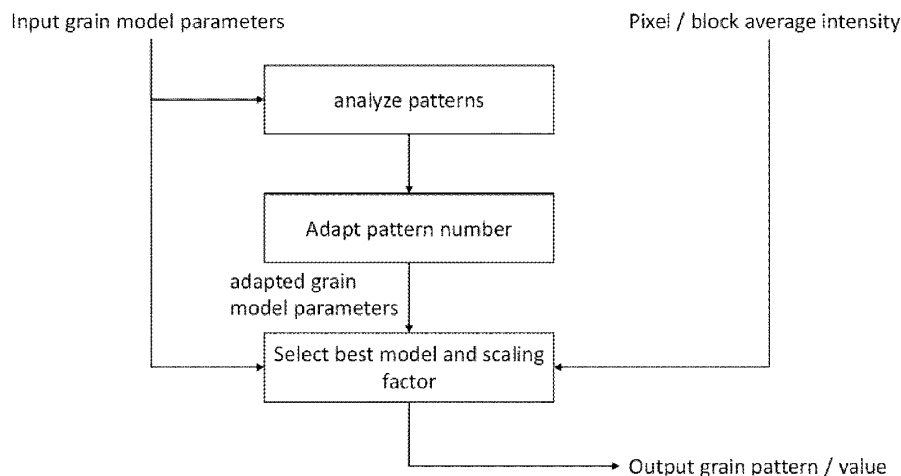


FIG. 8

(57) **Abstract:** Systems, methods, and instrumentalities are disclosed for performing reduction of film grain patterns. A device may obtain film grain pattern priority information associated with a plurality of film grain patterns for a block. The device may determine, based on the film grain pattern priority information, a reduced set of film grain patterns, from the plurality of film grain patterns, on which to perform a film grain pattern analysis. The device may perform the film grain pattern analysis on the reduced set of film grain patterns. The device may select, based on the film grain pattern analysis, a film grain pattern, from the reduced set of film grain patterns, to apply to a pixel component of the block. The device may apply the selected film grain pattern to the pixel component of the block.

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