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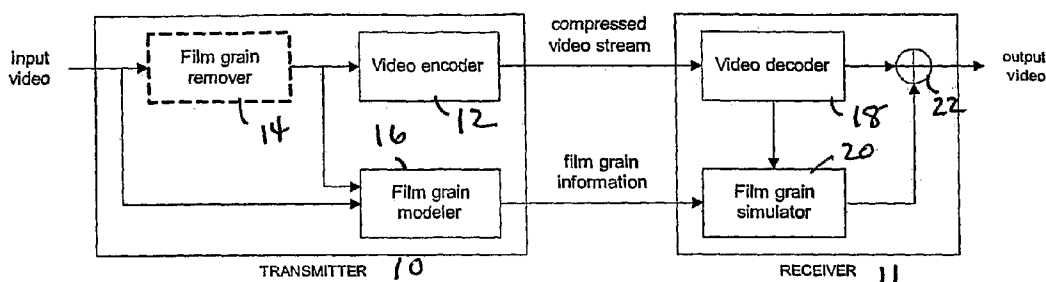
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(54) Title: FILM GRAIN SIMULATION METHOD BASED ON PRE-COMPUTED TRANSFORM COEFFICIENTS



FGM processing chain.

(57) Abstract: Film grain simulation within a receiver (11) occurs by first obtaining at least one block of pre-computed transformed coefficients. The block of pre-computed transformed coefficients undergoes filtering responsive to a frequency range that characterizes a desired pattern of the film grain. In practice, the frequency range lies within a set of cut frequencies fHL, fVL, fHH and fVH of a filter in two dimensions that characterizes a desired film grain pattern. Thereafter, the filtered set of coefficients undergoes an inverse transform to yield the film grain pattern.

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