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(54) Title: A SYSTEM AND METHOD FOR DETECTING LAUNCHED MISSILES

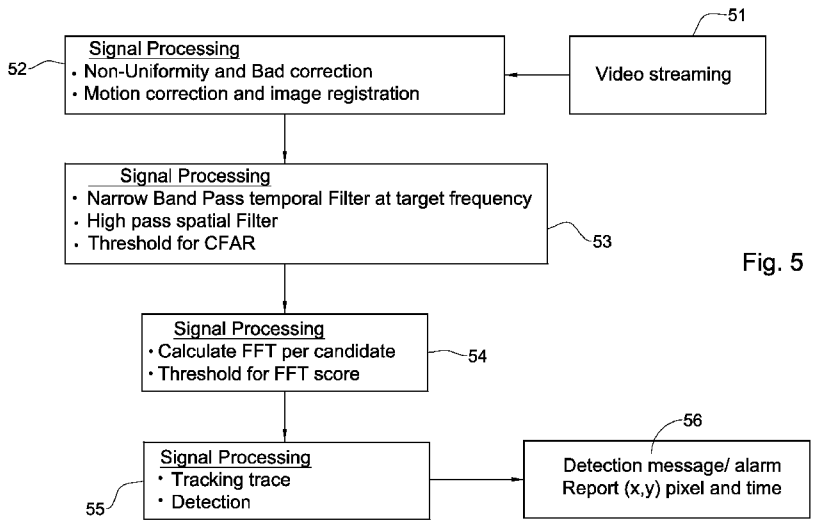


Fig. 5

(57) Abstract: A system for detecting a flying target, the target rotating about its longitudinal axis and having a beacon coupled thereto. The rotation of the target substantially blocks and unblocks the light emanated from the beacon, giving rise to target characteristics that include modulated optical signals at a given wavelength. The system includes a sub¬ system configured to receive optical signals of a scene and acquiring therefrom, at a given frame rate, a digital signal that includes a succession of frames each including a plurality of pixels. The system further includes a processor configured to process selected frames of the succession including searching for pixels having characteristics that correspond to the target characteristics, and if identified, indicating on the target.

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