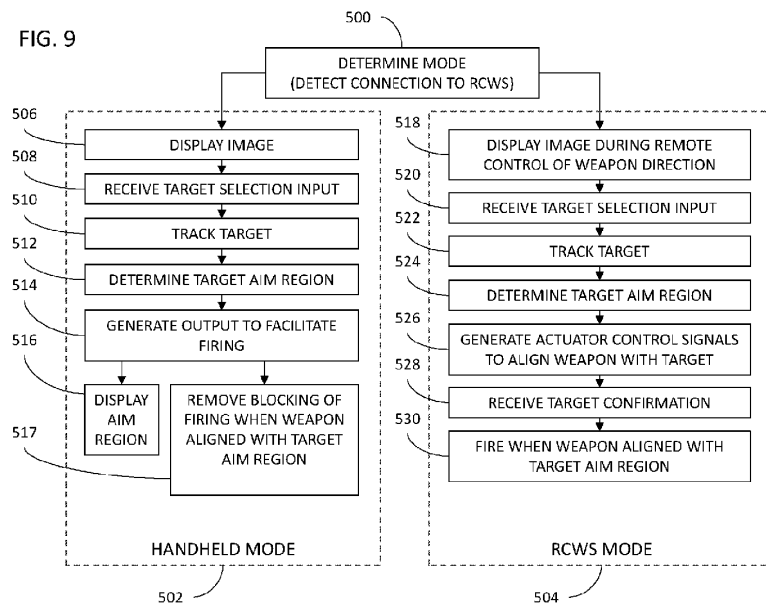




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(54) Title: DUAL MODE WEAPON-MOUNTED FIRE CONTROL SYSTEM



(57) Abstract: A weapon-mounted Fire Control System (FCS) for a handheld weapon includes an imaging sensor and a processing system configured to operate in two modes. In a first mode, for handheld operation of the weapon, the processing system tracks a target, determines an aim-region with which the weapon should be aligned for firing in order to strike the target, and generates an output to facilitate accurate firing of the weapon towards the aim region. The output may indicate the aim region on a display, and/or may control a firing control mechanism. In a second mode, when the weapon is on an adjustable weapon support, the processor tracks a target, determines an aim-region, and generates output signals for controlling operation of at least one actuator of the adjustable weapon support in order to align the weapon with the aim region.

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