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(54) Title: SEMI-AUTONOMOUS MOTORIZED WEAPON SYSTEMS

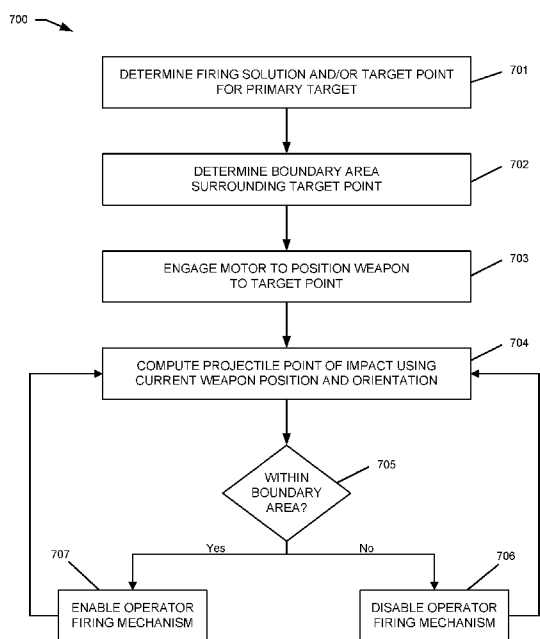


FIG. 7

(57) Abstract: Various techniques are described herein for controlling autonomous and semi-autonomous motorized weapons systems. In various embodiments, semi-autonomous motorized weapons systems may perform automated target identification, selection and prioritization techniques. Dynamic target tracking may be performed, for both primary and secondary targets, in cases of stationary and moving targets and weapon systems. A motorized weapon system then may be actuated automatically toward a firing solution target point, during which the operator-controlled firing mechanism may be enabled or disabled based on the projected point of impact of the weapon in comparison to a determined boundary area associated with the target.



MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History Document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History Document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History Document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2016/0258704 A1 (Merrill Aviation, Inc.) 08 September 2016 (08.09.2016), entire document, especially Fig. 1, 2A, 2C, 3A, 10A, 12A, 12B; para[0067]; para[0080]; para[0069]; para[0074]; para[0133]; para[0139]; para[0138]; para[0150]; para[0151];	1-20
Y	US 2014/0028856 A1 (Ehrlich) 30 January 2014 (30.01.2014), entire document, especially Fig. 1, 2, 3, 4, 5, 6; para[0015]; para[0042]; para[0044]; para[0049]; para[0050]; para[0066]; para[0059]; para[0075]; para[0076]; para[0077]; para[0078]-[0082]; para[0085]; para[0086]; para[0094];	1-20
A	US 2015/0345887 A1 (ISRAEL WEAPON INDUSTRIES (I.W.I) LTD.) 03 December 2015 (03.12.2015), entire document	1-20
A	US 2010/0083817 A1 (SON et al.) 08 April 2010 (08.04.2010), entire document	1-20
A	US 2016/0086346 A1 (Levilly) 24 March 2016 (24.03.2016), entire document	1-20
A	US 2016/0187094 A1 (Rocksight Holdings, LLC) 30 June 2016 (30.06.2016), entire document	1-20
A	US 2011/0296978 A1 (HAMISH et al.) 08 December 2011 (08.12.2011), entire document	1-20
X, T	US 2019/0137219 A1 (AimLock Inc.) 09 May 2019 (09.05.2019), entire document	1-20

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