

Title (en)
A SELF-PROPELLED GUN SYSTEM

Title (de)
SELBSTFAHRENDES GESCHÜTZSYSTEM

Title (fr)
SYSTÈME DE PISTOLET AUTOPROPULSÉ

Publication
EP 4283239 A1 20231129 (EN)

Application
EP 22275069 A 20220527

Priority
EP 22275069 A 20220527

Abstract (en)
A self-propelled gun system (10) defining a recoil mitigation system (100). It comprises a chassis (200); a gun barrel (300) and a chassis suspension system (400) comprising a first wheel arm (402) extending away from the chassis (200) to a first wheel (404), the first wheel (404) being rotatably mounted on the first wheel arm (402), the first wheel (404) configured for engagement with a support surface (500). The first wheel arm (402) and first wheel (404) are configured to support the chassis (200) a distance (Dz) apart from the support surface (500). The recoil mitigation system (100) is operable such that a maximum recoil damping distance (Dz_max) of the chassis (200) from the support surface (500) in the z-axis for a gun firing condition is controlled to be set according to a predetermined relationship by pivoting the first wheel arm (402) relative to the z-axis.

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CPC (source: EP)
F41A 23/28 (2013.01); **F41A 23/34** (2013.01)

Citation (search report)
• [A] GB 1438403 A 19760609 - BOFORS AB
• [A] GB 158023 A 19210203 - HOLT MFG CO

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