

Title (en)
LIGHTWEIGHT WEAPON STABILIZING SYSTEM.

Title (de)
SYSTEM FÜR DIE STABILISIERUNG EINER LEICHTEN WAFFE.

Title (fr)
SYSTEME DE STABILISATION POUR ARMES A FEU LEGERES.

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Application
EP 89902841 A 19890123

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US 14731788 A 19880122

Abstract (en)
[origin: WO8906778A1] A gun system comprising a recoiling cannon portion (32), a stationary carriage portion (12), and a cam path (64, 66) and cam follower (54, 56) mechanism for movably mounting the cannon portion (32) on the carriage portion (22) for travel along a curvilinear path. The path has two stages, a curved first stage which accelerates the cannon assembly upwards and a second stage which decelerates the cannon assembly's upward motion, and which is either straight or curved in either the same or the opposite direction as the first stage, or some combination of these, as necessary. The second stage, if curved in the same direction as the first, has a shallower curve than the first stage. The first stage has a decreasing radius of curvature in the direction of travel (i.e. recoil) of the cannon portion. The cam path mechanism can be fixedly mounted on the cannon portion, with the cam follower mechanism fixedly mounted on the carriage portion, or the cam path mechanism can be fixedly mounted on the carriage portion with the cam follower mechanism being fixedly mounted on the cannon portion.

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