

Title (en)

Arrangement for a barrelled weapon with servo system

Title (de)

Vorrichtung für eine Geschützrohrwaffe mit Servosystem.

Title (fr)

Dispositif pour une arme à tube de canon avec système servo

Publication

EP 1460370 A1 20040922 (EN)

Application

EP 04445023 A 20040308

Priority

SE 0300755 A 20030320

Abstract (en)

In an automatically-loaded barrelled weapon (27), information from the barrelled weapon's automatic loading system is used to reduce the interference in the weapon servo that arises when the automatic loading system is set in motion or causes movements in movable parts. The arrangement can comprise or work with a unit (22) that obtains parameter information from, for example, the automatic loading system, which parameter information is representative of a force (F) interfering with the aiming of the weapon and caused by the automatic loading system on the barrelled weapon. The unit is arranged to produce a command (i6) to the servo motor (4), by means of the parameter information, that essentially or completely eliminates the said force. In this way, turning moment interference on the weapon that is caused by the activation of the automatic loading system is counteracted and the accuracy of the barrelled weapon when firing can be improved. <IMAGE>

IPC 1-7

F41G 3/12

IPC 8 full level

F41G 3/12 (2006.01); **F41A 27/28** (2006.01); **F41A 27/30** (2006.01); **F41G 5/24** (2006.01)

CPC (source: EP SE)

F41A 27/28 (2013.01 - EP); **F41A 27/30** (2013.01 - SE); **F41G 3/12** (2013.01 - EP SE); **F41G 5/24** (2013.01 - SE)

Citation (applicant)

- EP 1329683 A1 20030723 - CONTRAVES AG [CH]
- EP 1217324 A1 20020626 - CONTRAVES AG [CH]

Citation (search report)

- [XP] EP 1329683 A1 20030723 - CONTRAVES AG [CH]
- [A] EP 1217324 A1 20020626 - CONTRAVES AG [CH]
- [A] EP 0179387 A2 19860430 - WEGMANN & CO [DE]
- [A] FR 2827668 A1 20030124 - GIAT IND SA [FR]

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