

Diego Gonzalez Castillo

1) Family number: 34966267 (US2008034954A)

Title: STABILIZING MOUNT FOR HANDS-ON AND REMOTE OPERATION OF CAMERAS, SENSORS, COMPUTER INTELLIGENT DEVICES AND WEAPONS

Abstract: A stabilizing mount system for cameras, sensors and weapons. This invention stabilizes payloads such as cameras sensors and weapons on moving vehicles such as HMMWV's, (military Humvees) off-road vehicles, boats aircraft and unmanned vehicles. The stabilizing mount system allows hands-on control of the payload device such as the camera or weapon while the stabilization is active. This includes allowing a gunner of a crew served weapon to free-gun or have hands-on control to operate the weapon while the weapon is being actively stabilized. The invention has various modes including target lock. Cameras and sensors are also stabilized and provide a useable output for a remote operator or artificially intelligent computer.

Classifications:

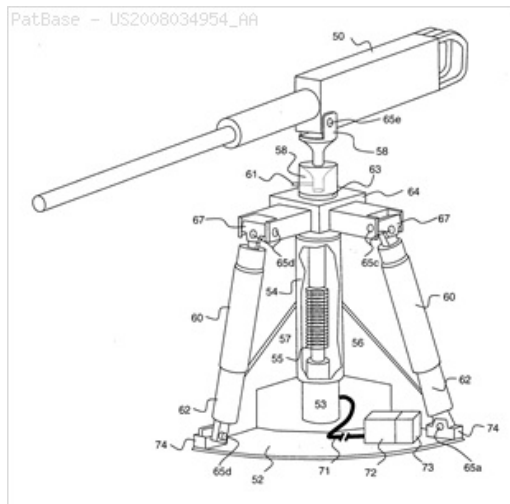
International (IPC 8-9): F41A23/00 F41A27/30 F41G5/06 F41G5/14
G03B17/00 H04N3/16 (Advanced/Invention);

F41A23/00 F41G5/00 G03B17/00 H04N3/16 (Core/Invention)

CPC: F41A23/14 F41A27/26 F41A27/30 F41G3/165 F41G3/225
F41G5/14

European: F41A23/14 F41A27/26 F41A27/30 F41G3/16B F41G3/22B
F41G5/14 H04N5/232C H04N5/232S

US: 89/41.02 89/41.020S 89/41.05 89/41.050P



Family:

Publication number	Publication date	Application number	Application date
EP1897362 A2	20080312	EP20060849684	20060131
EP1897362 A4	20120104	EP20060849684	20060131
US2008034954 AA	20080214	US20060343711	20060130
WO07086874 A2	20070802	WO2006US03341	20060131
WO07086874 A3	20090305	WO2006US03341	20060131

Priority:

US20050647941P 20050131 US20060343711 20060130 WO2006US03341 20060131

Probable Assignee: GROBER DAVID EHRLICH

Assignee(s): (std): GROBER DAVID EHRlich

Inventor(s): (std): GROBER DAVID EHRlich

Agent(s): HALEY STEPHEN ET AL; DAVID EHRLICH GROBER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

2) Family number: 46546901 (US2010199835A)

Title: VEHICLE GUN STABILIZATION PLATFORM DEVICE

Abstract: A weapon stabilization platform assembly employing the action of the devices' telescoping tubular horizontal width adjustment attaching to the vertical roll over posts of a recreational off road 4x4, off road UTV, or other utility vehicle or frame vehicle by the nut and bolt compression of two bracket couplings or other attaching appliances fixed at the opposing end of each of the telescoping tubes. In a preferred embodiment, the device comprises a plurality of telescoping tubes being an outer sleeve and an inner sleeve that is sized to permit it to move horizontally in telescopic relationship to the outer sleeve, both sleeves being harbored within an anti-vibration foam cushion, being then sheathed within a protective fabric sleeve. Each tube end connecting by nut and bolt compression to axial end bracket couplings, and the bracket couplings becoming then fixed to the vertical roll over posts of a UTV or other frame by nut and bolt horizontal end compression or other locking attachment device, allowing the military, civilian, or handicapped user a vibration eliminating or reducing horizontal weapon aiming and shooting, camera or other device rest.

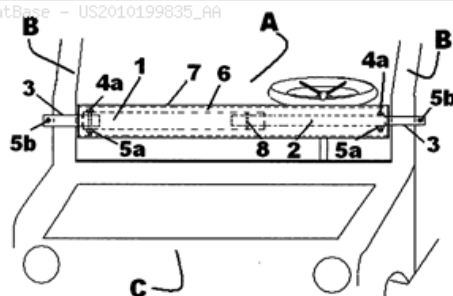
Classifications:

International (IPC 8-9): F41A23/34 F41A23/56

F41A29/00 (Advanced/Invention):

F41A23/00 (Core/Invention)

CPC: F41A23/34



Family:

Publication number	Publication date	Application number	Application date
US2010199835 AA	20100812	US20100655595	20100104
US8215049 BB	20120710	US20100655595	20100104

Priority:

US20090206835P 20090206

US20100655595 20100104

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Agent(s):

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3) Family number: 30022831 (US3293985A)

Title: Firing turret for teleguided missiles

Abstract: 1,089,852. Photo-electric direction-finding. NORD-AVIATION SOCIETE NATIONALE DE CONSTRUCTIONS AERONAUTIQUES. Nov. 24, 1964 [Nov. 28, 1963], No. 47815/64. Heading H4D. In the launching of a missile to be guided remotely under the control of a sighting telescope and infra-red direction-finder unit mounted with two degrees of freedom, that unit is momentarily locked to the launching ramp when the missile is fired, the missile thereby always being retained in the field of view of the direction-finder. In the embodiments dog clutches are utilized, Figs. 1, 2, 3 (none shown).

Classifications:

International (IPC 8-9): F41A23/20 F41A23/34 F41A23/42 F41F3/04 F41G1/393 F41G7/00 F41G7/30 (Advanced/Invention);

F41A23/00 F41F3/00 F41G1/00 F41G7/00 F41G7/20 (Core/Invention)
International (IPC 1-7): F41F21/00 F41F23/06 F41F3/04 F41F7/00
 F41G7/00 F41G7/12 F41G7/14 F41H7/00 F41H7/08 F41H7/12

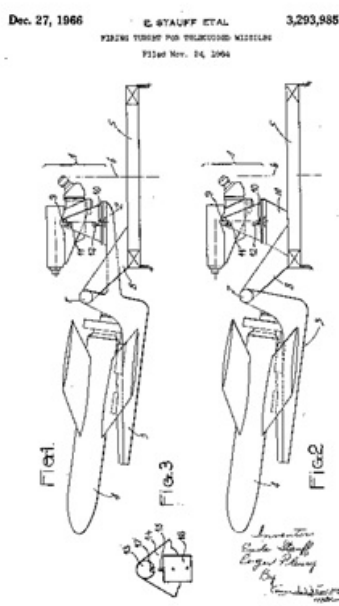
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F41G1/393 F41G7/007 F41G7/30

European: F41A23/20 F41A23/34 F41A23/42 F41F3/04 F41G1/393
F41G7/00F F41G7/30 F41G7/30B

US: 244/3.11 89/1.815 89/37.01 89/37.11 89/41.06

PatBase - US3293985 A



Family:

Publication number	Publication date	Application number	Application date
DE1428735 A1	19701112	DE19641428735	19641128
DE1428735 B2	19710318	DE19641428735	19641128
DE2043852 A1	19710311	DE19702043852	19700904
DE2240023 A1	19730726	DE19722240023	19720816
FR1388781 A	19650212	FR19630955386	19631128
FR2058447 A6	19710528	FR19690030227	19690904
FR2149637 A6	19730330	FR19710030006	19710817
GB1089852 A	19671108	GB19640047815	19641124
GB1294006 A	19721025	GB19700042558	19700904
GB1404197 A	19750828	GB19720038220	19720816
IT1052117 A	19810620	IT19720052068	19720808

SE382863 B	19760216	SE19700012046	19700904
SE382863 C	19760526	SE19700012046	19700904
US3293985 A	19661227	US19640413480	19641124

Priority:

FR19630955386 19631128 FR19690030227 19690904 FR19710030006 19710817

Probable Assignee: NORD AVIATION

Assignee(s): (std): NORD AVIAT ; SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE ; NORD AVIATION ; NORD AVIAT SOC NAT DE CO ; AEROSPATIALE

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