

Diego Gonzalez

**1) Family number: 76266329** (US2019322247A)

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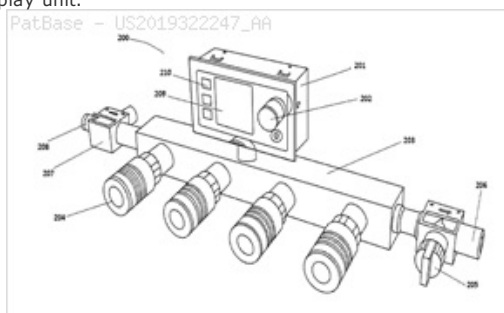
**Title:** TIRE INFLATING DEVICE

**Abstract:** The present invention is an apparatus for tire inflation designed to allow users to properly inflate, maintain, and monitor the condition of vehicle tires. The tire inflation device of present invention is comprising of: a carrying case having a housing, a lid attached to the housing using a hinge, a plurality of locking latches to lock the lid over the housing and a handle configured over the lid to allow easy transport of the tire inflating device. The tire inflation device further comprises, a control head assembly to control the working of the device, an air compressor coupled with the control head assembly to provide compressed air for inflation of tires, a hose assembly to connect the device with the vehicle tires and a plurality of power adapters to connect the device with the power source. The control head assembly of the inflation device is further comprising of, a program control module, an auto level manifold, a plurality of output modules, an air release valve, a pressure release valve, a plurality of buttons and switches, and a display unit.

**Classifications:**

**International (IPC 8-9):** B60S5/04 G05D16/20 (Advanced/Invention)

**CPC:** B60S5/046 G05D16/208



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2019322247 AA    | 20191024         | US20190392666      | 20190424         |

**Priority:**

US20180661790P 20180424

**Probable Assignee:** HIBBARD KEVIN ALLEN

**Assignee(s):** HIBBARD KEVIN ALLEN

**Inventor(s):** HIBBARD KEVIN ALLEN

**2) Family number: 2311795** (US4282794A)

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**Title:** Self-propelled off-road vehicle

**Abstract:** A self-propelled off-road vehicle particularly adapted for military use against targets such as tanks. The vehicle chassis mounts an elevatable support platform to which an operator platform is pivoted. The operator platform carries one or more weapons pods and a sighting device such as a periscope, both of which can be elevated above the operator platform. The operator platform is rotatable relative to the support platform to sweep the sighting axis of each weapons pod through azimuth, and its pivotable relation to the support platform allows the sighting axis to be swept through elevation for alignment with the target. Other aspects of the invention include propulsion, transmission, and wheel suspension systems enabling the vehicle to negotiate difficult terrain, maneuver at relatively high speeds, and utilize rocks, trees, and low folds in the ground to avoid exposure to ground-level sightings by tanks or the like.

**Classifications:**

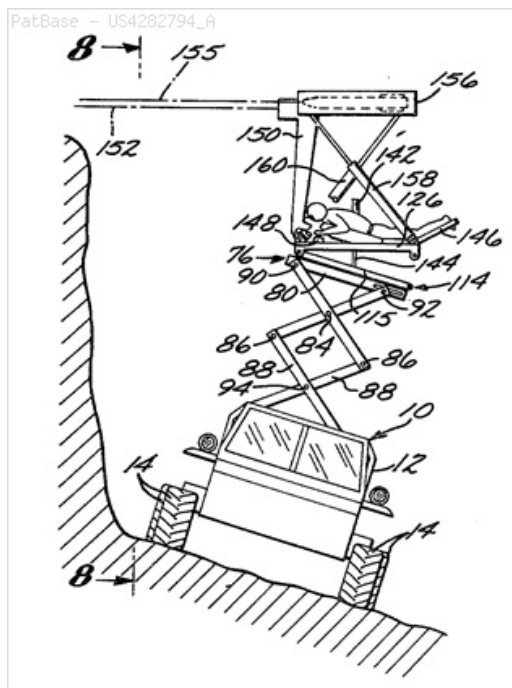
**International (IPC 8-9):** B60G17/052 B60K17/342 B60P1/02 B60P3/14 B62D33/08 B62D49/02 B62D61/10 B66F7/08 B66F7/22 F41A23/20 (Advanced/Invention); B60G17/04 B60K17/34 B60P1/02 B60P3/14 B62D33/00 B62D49/00 B62D61/00 B66F7/00 B66F7/06 F41A23/00 (Core/Invention); B62D (Subclass/Invention)

**International (IPC 1-7):** B60P3/14 B60P3/28 B62D33/08 B66F7/08 B66F7/22 F41H7/02

**CPC:** B60G17/052 B60K17/342 B60P1/02 B62D49/02 B62D61/10 F41A23/20

**European:** B60G17/052 B60K17/342 B60P1/02 B62D49/02 B62D61/10 F41A23/20

**US:** 182/148 182/69.5 89/1.815 89/36.15 89/36M 89/38



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| IL58655 A0         | 19800229         | IL19790058655      | 19791107         |
| IL58655 A1         | 19850131         | IL19790058655      | 19791107         |
| IL67597 A0         | 19831230         | IL19820067597      | 19821230         |
| IL67597 A1         | 19850131         | IL19790067597      | 19791107         |
| US4282794 A        | 19810811         | US19790034430      | 19790430         |

#### Priority:

US19790034430 19790430 IL19790058655 19791107 IL19820067597 19821230

**Probable Assignee:** MILLER R

**Assignee(s):** (std): MILLER AVY L ; MILLER BY ROBERTA L ; MILLER LERMAN LINDSEY ; STEPHANIE MILLER ; STEPHANIE MILLER KORAN ; MILLER R ; MILLER STEPHANIE ; MILLER ROBERTA LEE

**Assignee(s):** MILLER DECEASED AVY L ; MILLER DECEASED BY ROBERTA L

**Inventor(s):** (std): MILLER AVY L ; MILLER BY ROBERTA L ; MILLER DECEASED AVY L ; MILLER DECEASED BY ROBERTA L ; MILLER LERMAN LINDSEY

**Agent(s):** AE MULFORD

### 3) Family number: 51039253 (DE102010060258A1)

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**Title:** FILLING SYSTEM FOR SEALING AND INFLATING PNEUMATIC TIRE OF PASSENGER CAR, HAS VALVE UNITS AND LINES CONNECTED AMONG COMPRESSED GAS SOURCE, SEALING AGENT CONTAINER AND TIRE, SO THAT TIRE IS FILLED WITH SEALING AGENT AND COMPRESSED GAS

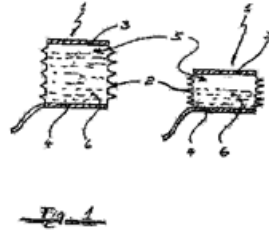
**Abstract:** The system has a compressed gas source i.e. compressor, connected to a flat pneumatic tire (6), and a sealing agent container (1) for containing a sealing agent that is automatically recoverable in the tire. Valve units and lines are connected among the compressed gas source, the sealing agent container and the tire, so that the tire is filled with the sealing agent and compressed gas. The sealing agent container is designed as a foot operable container and provided with a flexible, pliable and/or foldable wall i.e. bellows (2), a bend-hard and inflexible lid (3) and bottom (4).

#### Classifications:

**International (IPC 8-9):** B60C23/00 (Advanced/Invention)

**CPC:** B29C73/166

**European:** B29C73/16D



7/8

#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE102010060258 A1  | 20120503         | DE201010060258     | 20101029         |

#### Priority:

DE201010060258 20101029

**Probable Assignee:** CONTINENTAL REIFEN DEUTSCHLAND  
**Assignee(s):** (std): CONTINENTAL REIFEN DEUTSCHLAND  
**Assignee(s):** CONTINENTAL REIFEN DEUTSCHLAND GMBH  
**Inventor(s):** (std): HUANG DANQING ; XU QIAO

#### 4) Family number: 12395142 (US5492300A)

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**Title:** Leveling apparatus and method

**Abstract:** A leveling apparatus comprising a frame assembly including a top frame structure and a bottom frame structure, the top and bottom frame structures interconnected by an extensible wall structure; an inflatable bladder assembly, the bladder assembly being substantially enclosed by the top and bottom frame structures and the extensible wall structure, whereby the top frame structure is raised and lowered upon inflation and deflation, respectively, of the bladder assembly; locking means for retaining the frame assembly in a raised, extended position upon deflation of the bladder assembly; and fluid inlet and outlet means in fluid communication with the bladder assembly for inflating and deflating the bladder assembly.

#### Classifications:

**International (IPC 8-9):** B66F3/22 B66F3/35 (Advanced/Invention);

B66F3/00 B66F3/24 (Core/Invention)

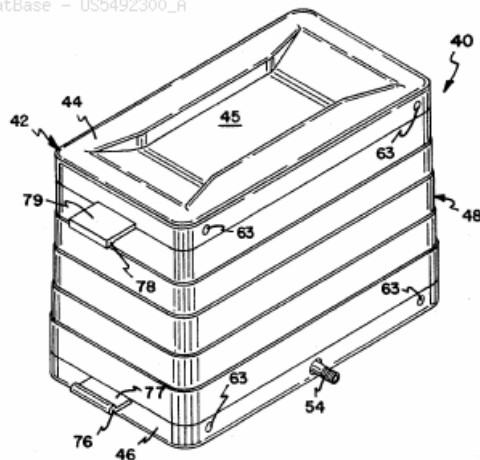
**International (IPC 1-7):** A47F5/00

**CPC:** B66F3/22 B66F3/35

**European:** B66F3/22 B66F3/35

**US:** 248/354.1 254/93HP 280/6.153 280/612

PatBase - US5492300\_R



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US5492300 A        | 19960220         | US19940301675      | 19940907         |

#### Priority:

US19940301675 19940907

**Probable Assignee:** D AND R VENTURES INC  
**Assignee(s):** (std): D AND R VENTURES INC

**5) Family number: 50545539** (MX2010001909A)

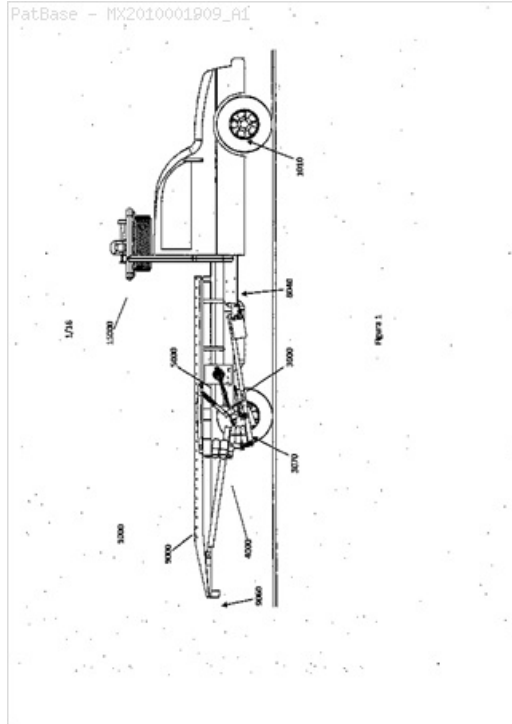
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**Title:** PNEUMATIC SUSPENSION SYSTEM OF WIDE VERTICAL TRAVEL.

**Abstract:** DESCRIBED IS A COLLAPSIBLE PNEUMATIC SUSPENSION SYSTEM OF WIDE VERTICAL TRAVEL WHICH IS INSTALLED IN TRUCKS MODIFIED FOR THE TRANSPORT OF LOADS OVER PLATFORMS AND MORE PARTICULARLY FOR THE TRANSPORT OF VEHICLES OVER PLATFORMS WITHOUT BEING ROLLED. THE SYSTEM INCLUDES TWO PNEUMATIC SUBSYSTEMS, A PRIMARY SUBSYSTEM NORMALLY ELASTIC AND A SECONDARY SUBSYSTEM NORMALLY RIGID, WHICH ARE CONNECTED IN SERIES IN AN OVERLAPPED MANNER SO AS TO SUMMATE THE TRAVEL THEREOF AND REDUCE THE HEIGHT OF THE LOAD PLATFORM WITH REGARD TO THE GROUND AT A MINIMUM IDEAL FOR THE LOADING AND UNLOADING OPERATIONS THEREOF. THE SYSTEM ALSO INCLUDES A STABILISING BAR SYSTEM OF VARIABLE RIGIDITY, WHICH ALLOWS THE SUSPENSION SYSTEM TO PROVIDE THE ADEQUATE ACTIONS TO EACH HANDLING CONDITION, AND A CONTROL SYSTEM FOR REGULATING THE LOADING AND UNLOADING OPERATIONS OF THE PNEUMATIC SYSTEM, THE PRESSURE OF THE PNEUMATIC ELEMENTS AND THE PLATFORM HEIGHT, ALSO ALLOWING AN EFFICIENT COMMUNICATION TO BE OBTAINED WITH THE OPERATOR OF THE VEHICLE.

**Classifications:**

**International (IPC 8-9):** B60G7/00 (Core/Invention)



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| MX2010001909 A1    | 20110831         | MX20100001909      | 20100218         |

**Priority:**

MX20100001909 20100218

**Probable Assignee:** JIMENO FERNANDO MAQUEO

**Assignee(s):** (std): JIMENO FERNANDO MAQUEO

**Assignee(s):** FERNANDO MAQUEO JIMENO

**Inventor(s):** (std): CHAVEZ OLAO DONALDO TORRES ; JIMENO FERNANDO MAQUEO

**Inventor(s):** OLAO DONALDO TORRES CHAVEZ ; FERNANDO MAQUEO JIMENO

**6) Family number: 46843330** (US2010230999A)

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**Title:** ULTRA-LIGHT TENT TRAILER

**Abstract:** The present invention is an ultra-light, aerodynamic, and towable recreational vehicle with integral self-inflating tent and accessory storage compartments. With motorcycles or a lightweight car as the intended towing vehicle, the ultra-light tent trailer includes a lightweight welded tubular steel frame, independent adjustable suspension, and composite aerodynamic body components to support the mechanicals of the tent trailer. A swingarm and crossbar assembly may support the floor of the tent component and may be controlled by a motor system. The motors may be remotely activated to open the tent trailer from a stowed configuration to an open configuration, and an inflation unit may also be remotely activated to inflate an inflatable tent. Thus, the push-button convenience makes this an incomparably quick and easy method of establishing a camp shelter. The aerodynamic features combined with the lightweight assembly reduce fuel consumption and present an efficient and stylish alternative over the prior art.

**Classifications:**

**International (IPC 8-9):** B60P3/355 (Advanced/Invention);

B60P3/32 (Core/Invention)

**CPC:** B60P3/341

**European:** B60P3/34B

**US:** 296/173

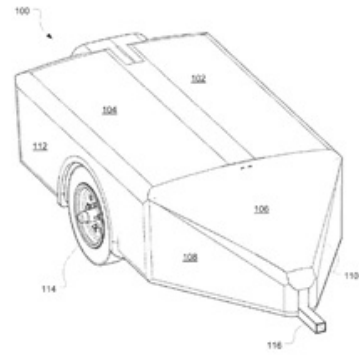


FIG. 1

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2010230999 AA    | 20100916         | US20100723636      | 20100313         |

**Priority:**

US20090209979P 20090313 US20100723636 20100313

**Probable Assignee:**

SETZER MICHAEL WILLIAM

**Assignee(s): (std):**

SETZER MICHAEL WILLIAM

**Inventor(s): (std):**

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**Agent(s):**

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