



# Tech Report

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Abstracts Of Recent Published South African Patents  
April 2015

**Von Seidels**  
Intellectual Property  
Attorneys



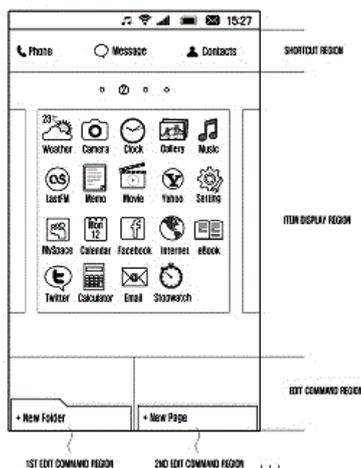
**Title:** METHOD AND APPARATUS FOR EDITING SCREEN OF MOBILE DEVICE HAVING TOUCH SCREEN

**Patent No:** 2013/09033

**Applicant:** Samsung Electronics

**Abstract:** A method and an apparatus for editing a screen of a mobile device having a touch screen. In an idle mode, the mobile device displays an item display region containing at least one item on an idle screen. In an edit mode, the mobile device displays an edit command region containing at least one predetermined edit command on an edit screen. When a first item contained in the item display region is moved to the edit command region, the mobile device executes the predetermined edit command assigned to a moved position of the edit command region.

**Image:**



**Title:** PC POWER MONITORING

**Patent No:** 2014/02001

**Applicant:** Embertec PTY LTD.

**Abstract:** An energy saving device that has an electrical inlet which connects to a general power outlet, and has at least one monitored electrical outlet connecting to a computing device, the energy saving device having at least one switched electrical outlet which connects to, and supplies electrical power to, at least one peripheral device, which in a preferred embodiment is a computer monitor. The energy saving device includes a switch to control electrical connection of the inlet to the switched electrical outlet, and thus to control supply of electric power to the peripheral devices. Other peripherals may

include printers, speakers and desk lamps.

**Image:**

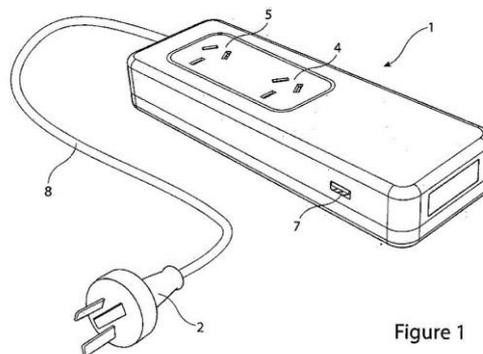


Figure 1

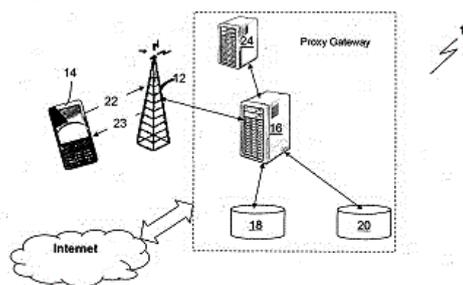
**Title:** SYSTEM AND METHOD FOR ADJUSTING THE AMOUNT OF DATA BANDWIDTH PROVIDED TO A MOBILE DEVICE

**Patent No:** 2013/09108

**Applicant:** Chikka PTE LTD.

**Abstract:** The invention provides a system for adjusting the amount of data bandwidth provided to a mobile device comprising a bandwidth adjustment facilitator arranged to receive a request from the mobile device for adjusting the amount of data bandwidth; a bandwidth throttler in communication with the bandwidth adjustment facilitator; the bandwidth throttler adapted to cap or allocate excess available data bandwidth to the mobile device; wherein on receipt of the request, the bandwidth adjustment facilitator process the request and if the request is successfully processed, adjusts the data bandwidth provided to the mobile device via the bandwidth throttler. The system may further be adapted for billing/charging based on either pay-per-specified-time model or pay per action model. The invention is conveniently suited for use in telecommunications system and does not require modifications to be made to existing telecommunications system.

**Image:**





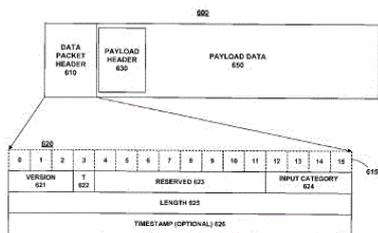
**Title:** USER INPUT BACK CHANNEL FOR WIRELESS DISPLAYS

**Patent No:** 2013/05995

**Applicant:** QUALCOMM Incorporated

**Abstract:** As part of a communication session, a wireless source device can transmit audio and video data to a wireless sink device, and the wireless sink device can transmit user input data received at the wireless sink device back to the wireless source device. In this manner, a user of the wireless sink device can control the wireless source device and control the content that is being transmitted from the wireless source device to the wireless sink device. The user input data transmitted by the wireless sink device can be input data obtained at a third party device and forwarded to the wireless source device.

**Image:**



**Title:** HYDRAULIC TURBINE AND HYDROELECTRIC POWER PLANT

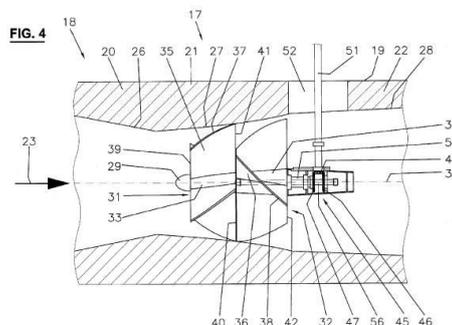
**Patent No:** 2013/07692

**Applicant:** JOKELA, Jouni

**Abstract:** The invention relates to a turbine for hydraulic power generation comprising two bladed wheels (11, 12, 31, 32) successively arranged in a turbine tube section (10, 21) as a fore wheel (11, 31) and an after wheel (12, 32) with respect to the water flow direction (23) along a common rotation axis (30) extending in the water flow direction (23), the wheels (11, 12, 31, 32) being configured to rotate in opposite directions driven by the water flow, and to a corresponding hydroelectric power plant. In order to improve the turbine characteristics for hydraulic power generation, in particular in view of low head power generation, the invention suggests that a first gear (46) and a second gear (47) are arranged along the rotation axis (30), each connected to a wheel (11, 12, 31, 32) and mutually connected via an engagement gearing (48) such that the

fore wheel (11, 31) and the after wheel (12, 32) are coupled to each other with respect to their rotation speed, the engagement gearing (48) being connectable to a power generator.

**Image:**



**Title:** DEVICE FOR CONVERSION OF MECHANICAL ENERGY FROM SEA WAVES TO ELECTRIC ENERGY

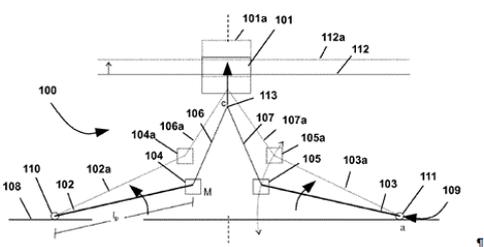
**Patent No:** 2014/02983

**Applicant:** Ensea S.r.l.

**Abstract:** Device (100) for conversion of mechanical energy from sea waves to electric energy, characterized by: - at least a float (101) and two rigid rods (102), (103), preferably anchored at one end to the seabed (108), and at the other end to the float (101), through flexible cables (106), (107); two respective masses (104), (105) keep the free ends of that rods (102), (103), constantly in traction condition pulled towards the sea bed (108); - at least a power generator (109), or other similar device suitable to convert and/or transmit energy, that is placed close to its respective hinge (110), (111), placed at the bottom parts of the rods (102), (103), so that the oscillatory motion of the float (101), following the waves level (112), causes a force with a vertical component that leads to a rotatory and oscillatory motion of the rods (102), (103), which are pivoted on its respective hinge (110), (111), and generates therefore electric energy by motion of gears of the same generator (109); the horizontal component of the force due to the float (101) oscillations is balanced by a system of counterweights, so that the same float (101) tends to place itself constantly on vertical line A-A.



Image:



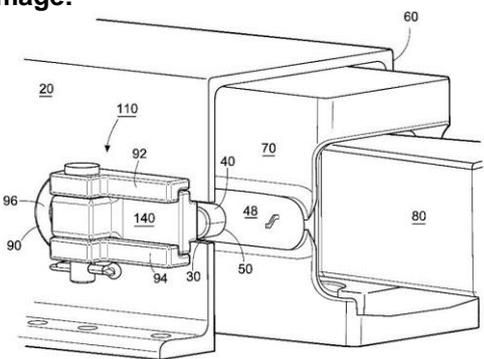
**Title:** KEY RETAINER FOR RAILWAY CAR COUPLER

**Patent No:** 2013/07134

**Applicant:** Strato, INC.

**Abstract:** A key retainer for retaining a draft key in the key slot of a railway car yoke is mounted on the outside of the sill of a railway car. Mounting the key retainer with a retainer key system on the outside of the sill, and aligned with the sill cutout, permits ease of visual inspection of the retainer from outside the railway car, and allows for repair of the key retainer without disassembling the coupler from the yoke, or the yoke from the railway car.

Image:



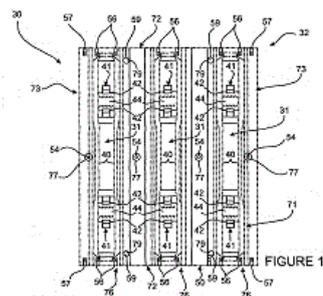
**Title:** RAIL TRACK SLEEPER SUPPORT

**Patent No:** 2013/08278

**Applicant:** Newstyle Nominees PTY LTD.

**Abstract:** A support (32) adapted to be used in place of ballast in supporting a rail support member (31) of a rail track comprises a body (50). The body (50) includes a lower face (70) for resting on a support surface, and an upper surface (71) for supporting the rail support member (31).

Image:



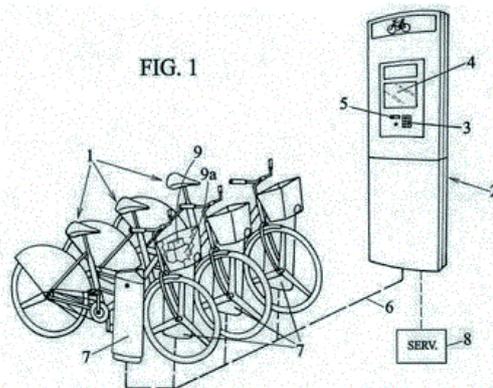
**Title:** AUTOMATIC CYCLE STORAGE SYSTEM AND BATTERY FOR SUCH SYSTEM

**Patent No:** 2014/02054

**Applicant:** JCDECAUX SA

**Abstract:** Automatic storage system serving to lock electric cycles (1) on locking positions (7), where the cycles operate on removable batteries (9) which each comprise a switching device (22) commanded by a logic unit (9c) for switching between a connected state and a disconnected state suited for respectively allowing or preventing the battery from discharging electric energy.

Image:



**Title:** A DUAL STEERABLE VEHICLE

**Patent No:** 2013/08319

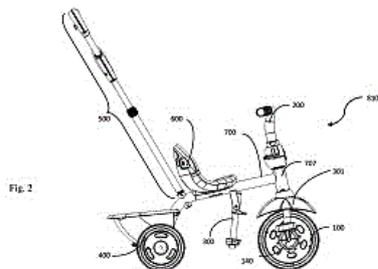
**Applicant:** Smart Trike MNF PTE LTD.

**Abstract:** A tricycle (810) may be operable between a first mode of operation steerable by a tricycle rider, and a second mode of operation steerable by an individual pushing the tricycle. In both such first and second modes, the frame (700) of the tricycle (810) is configured to rotatably support the rear wheels (400) and



configured to support the head tube (707) at a distance from the rear wheels (400) such that a distance between the head tube (707) and rear wheels (400) need not necessarily be changed even when the front wheel axis location is changed from one mode to another.

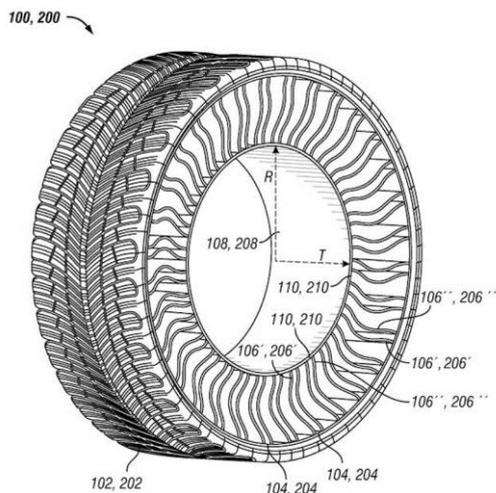
**Image:**



**Title:** SPOKE FOR A TIRE WITH OPTIMIZED THICKNESS FOR IMPROVED DURABILITY  
**Patent No:** 2014/05816  
**Applicant:** Michelin Recherche et Technique S.A., Compagnie Generale des Etablissements Michelin.

**Abstract:** The present invention provides spoke geometry for a non-pneumatic tire that is less prone to fatigue when used. In particular, the spoke geometry is provided with an optimized thickness profile over the length of the spoke. This optimization results in a reduction in the peak strain energy density levels in the spoke, thereby reducing the likelihood of crack initiation and propagation which in turn enhances the durability of the spoke and tire.

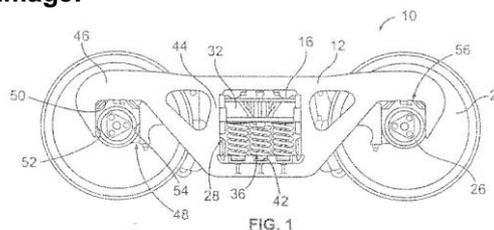
**Image:**



**Title:** BRAKE BEAM PADDLE CAPS  
**Patent No:** 2013/09318  
**Applicant:** Amsted Rail Company, INC.

**Abstract:** A brake beam assembly for a railway car truck includes a brake beam configured to be mounted between opposed side frames of the railway car truck, a strut extending from the brake beam and brake heads coupled to the brake beam proximate to the right hand ends thereof. Each brake head holds a brake shoe configured to engage a wheel of the railway car truck. Paddles extend exterior of the brakes heads. The paddles have distal ends of the paddles. The paddle caps are configured to be received in brake beam wear liners in corresponding side frames of the railway car truck. The paddles caps have a lower coefficient of friction than the paddles.

**Image:**

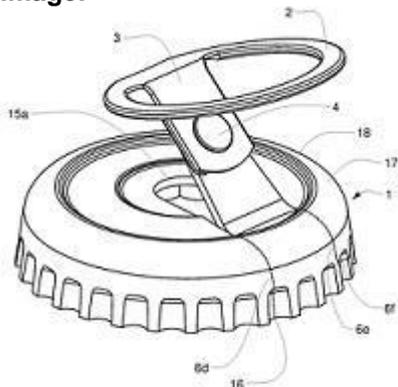


**Title:** EASY-PULL BOTTLE CAP  
**Patent No:** 2014/02238  
**Applicant:** Frishman ABE

**Abstract:** A crown for a bottle or other container has a top portion and an annular skirt that descends contiguously from the top portion. An opener assembly and an arrangement of frangible scoring lines on the crown allow for ease of opening the bottle or container. Corrugated embodiments provide material strengthening for a reduced gauge crown.



**Image:**



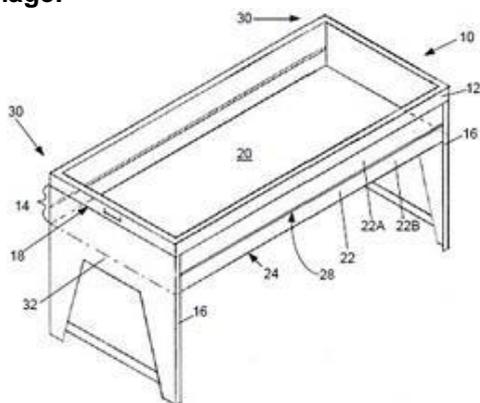
**Title:** A COLLAPSIBLE BARBEQUE

**Patent No:** 2014/00713

**Applicant:** van der Westhuizen

**Abstract:** The invention provides a collapsible barbeque (10) comprising a frame (12) which carries a trough (14) and a number of leg assemblies (16) hingedly attached to the frame (12) which support the frame (12) above the ground. The trough (14) includes a rigid bottom wall (20) to provide a cooking surface and collapsible side walls (22) which connect the bottom wall (20) to the frame (12). The barbeque (10) is movable from an open, operative configuration in which the collapsible side walls (22) are extended and the leg assemblies (16) are hinged outwardly from the frame (12) to a closed, portable configuration in which the collapsible side walls (22) are collapsed and the leg assemblies (16) are folded flat against the frame (12). In one embodiment of the invention, the barbeque (10) includes support panels to support cooking utensils thereon.

**Image:**



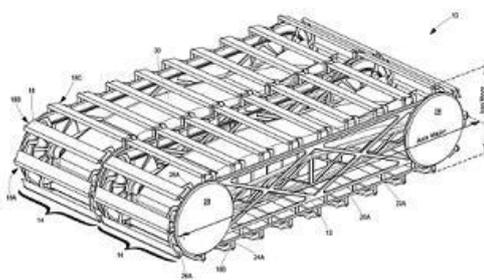
**Title:** AIRCRAFT

**Patent No:** 2014/00517

**Applicant:** Neill Smit

**Abstract:** This invention relates to an aircraft. More specifically, the invention relates to vertical take-off and landing aircraft having a plurality of wings orbital in a substantially vertical operative plane. The aircraft includes an airframe, a primary closed loop guide, a secondary closed loop guide, a plurality of wings movable along the guides and a means for displacing leading and trailing edges of the wings thereby to vary the pitch of the wings such that the aircraft can be controlled.

**Image:**





**Commentary:** The Von Seidels technical team is made up of patent attorneys, foreign counsel, candidate patent attorneys and technical experts. The team has extensive technical expertise across the following fields: Electrical and Electronic Engineering, Computer Science, Natural Science, Civil Engineering, Mechatronic Engineering, Industrial Engineering and Chemical Engineering.

**The Von Seidels Tech Team:**



Mike von Seidel



Ralph van Niekerk



Érik van der Vyver



Anna Tomlinson



Gunther Roland



Dirk van Dyk



Stephen Middleton



Oswald Alembong

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**Physical Address**

(for all courier deliveries and visits only):  
1 Park Close, Central Park, Park Lane  
Century City (Cape Town)  
7441, South Africa

**Postal Address:**

PO Box 440  
Century City (Cape Town)  
7446, South Africa

**Tel:** + 27 21 526 2800  
**Fax:** + 27 21 526 2801  
**Email:** [service@vonseidels.com](mailto:service@vonseidels.com)  
**Web:** [www.vonseidels.com](http://www.vonseidels.com)

**Von Seidels**  
Intellectual Property  
Attorneys