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SOLAR HOME SYSTEM FOR ALL  
HOUSEHOLD SERVICES

KE/15/00561	05/10/2025	05/10/2015	MEDICAL RECORDS SYSTEM AND METHOD
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KE/15/00568	22/10/2025	22/10/2015	SYSTEM AND METHOD FOR EXECUTING DYNAMIC INSURANCE ON AIRTIME AND TRANSACTION BASED-PLATFORM
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KE/15/00570	27/10/2025	27/10/2015	INSECT EXTERMINATOR
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KE/15/00571	30/10/2025	30/10/2015	SANITARY PADS FROM BAMBOO PULP
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KE/15/00573	30/10/2025	30/10/2015	SANITARY PADS FROM BAMBOO AND BANANA STEMS
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KE/15/00578	13/11/2025	13/11/2015	SYSTEM CONNECTING MOTORCYCLES, CARPOOLING, BACKLOADING, TAXI, TICKETING, GROOMING AND DELIVERY SERVICE PROVIDERS WITH CLIENTS
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KE/15/00580	23/11/2025	23/11/2015	REUSABLE DRY FACIAL VEHICLE TISSUE CONTAINER
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KE/15/00584	07/12/2025	07/12/2015	CABINET CARCASE WITH END COLUMN
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KE/15/00585	07/12/2025	07/12/2015	BOARDS WITH DECORATIVE GROOVES
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KE/15/00586	07/12/2025	07/12/2015	METHOD FOR PREPARING AND BUFFING A VACUUM PRESS LAMINATED WOOD SUBSTRATE
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KE/15/00587	07/12/2025	07/12/2015	VACUUM PRESS LAMINATION ON FLEXIBLE MATERIAL
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KE/15/00588 07/12/2025 07/12/2015 VANITY UNIT

KE/15/00589	07/12/2025	07/12/2015	LOW LEVEL CABINET CAR CASE UNIT
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KE/15/00590	07/12/2025	07/12/2015	DOOR FRAME WITH INTEGRATED ARCHITRAVE
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KE/23/02028	21/12/2025	03/03/2023	Stabilization of Expansive Clay Soil using Plant-Based Ashes for Subgrade Class S2 in Pavement Construction.
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**Abstract**

<p>The disclosure describes a solar home system that may be used for the following purposes in the household: lighting, mobile phone and other electronic device charging through Universal Serial Bus (USB) ports, receiving television signal through digital TV signal, receiving internet information through the wireless network signal and powering electronics through an inverter. The present invention is very beneficial for households who do not have access to electricity from the electricity grid, households that have unreliable access to electricity, or households that choose not to utilize electricity directly from the grid.</p>

<p>The field of invention is, in embodiments, health care including systems for maintaining medical records and communications among medical professionals. In another aspect is an improved mobile computer device comprising a camera and a communications module, wherein the improvement comprises machine-readable instructions configured to connect the device to a network and access a structured narrative located on a server, wherein the structured narrative is configured to be displayed on the mobile computer device, and wherein the structured narrative comprises a plurality of narratives pertaining to a patient, each narrative comprising an originator identity, a date, and a data item, wherein at least one data item from at least one of the plurality of narrative comprises a hyperlinked medical image.</p>

A system comprising insurance service providers (1), dynamic purchase channels (6) consisting of mobile channels (6a), pre-paid debit cards (6b), pre-paid credit cards (6c), financial institutions (3) and centralized system management (4) adapted to execute dynamic insurance (2) as shown in Fig. 1 below. Under the cover, premium is collected on accumulative basis through channels partners (5) using a software application (7) for dynamic policy management, wherein the term dynamic refers to the ability to accumulate the premium through multiple inputs of payments. The application is able to deduct instant airtime commission contribution ranging from 0.5% to 25% of cumulative premium. The vendor contributes a percentage over short or long-term endowment for individual or group type cover policy model comprising life, education, health and funeral cover to the subscriber or a combination thereof. The invention further avails a mechanism (3A - 3B) and methodology of executing the system comprising defined steps.



<p>A method of exterminating insects and an environment friendly insect exterminator comprising boric acid that is mixed with starch flour selected from wheat, maize, cassava or any other starch flour, sugar, milk, oil, onions and garlic to form a dough that will form a bait for the insect exterminator.</p>

<p>The present invention provides herein below a sanitary pad from bamboo pulp and the process thereof. Specifically the process comprise of bamboo pulping, pulverisation; core formation; core covering and sealing; and sterilizing and packaging. The present invention having the advantages of providing a sanitary pad that is healthier, environmental friendly, posses antibacterial, anti static, high absorbency, reduced body odour.</p>

<p>The present invention provides herein below a sanitary from bamboo and banana stems and the process thereof. Specifically the process comprise of bamboo of banana stem pulping, pulverisation; core formation: core covering and sealing; and sterilizing and packaging. The present invention having the advantages of providing a sanitary that is healthier, environmental friendly. posses antibacterial, anti static, high absorbency, retention, reduced body odour.</p>

<p>A system comprising coded applications capable of connecting clients with service providers on a mobile phone with USSD or Internet connectivity (7) is disclosed. The applications are downloaded from Google play or Apple Store and are crafted to locate, identify and connect clients (2) with specified service providers comprising motorcycle operators (3), space sharing carpooling operators (4), empty truck backloading drivers (5), taxi operators (11), shopping stores and stalls (10), grooming, salon and barber dealers (8) and goods or mail delivery service providers (6). The system further comprises a central management server (1) with a couple of databases of registered clients, service providers, location, insurance and regulatory status of the operators on a cellular handset as shown in Fig 1 below. Also disclosed are methods of executing technical functionalities of the applications within the system for ordinary phones, smart phones and internet provider.</p>

A dry facial tissue container which is adapted for use with the cylindrical cup holders (4) generally found in vehicles next to the driver's seat is disclosed. The container comprises a substantially cylindrical hollow container adapted to dispense a plurality of dry facial tissue paper (5). The container consists of a sidewall body (3) made of 0.5 mm hard paper of about 6.8 cm and height of about 14.4 cm, a bottom portion of about 6.8 cm in diameter comprising a removable plastic lid (6) attached to one end of the sidewall body and top portion attached to the opposite end comprising a nylon paper cover (2) with an aperture (1) in the middle adapted to dispense tissues. The sidewall is made of coated and printed carbon paper and comprises a means to aid in retaining the container within the cup holder (4). The invention further describes a technique of rolling plurality of facial tissues fitted and stored in the container and adapted to be continuously and individually retrieved through the tissue dispensing aperture in middle of the nylon paper. The invention discloses a method of making facial vehicle tissue container comprising steps of; cutting the paper into two slim stumps, coating the paper with wax, making a groove in the wall, inserting glue into the hard paper, making detachable plastic lower lid using mold, cutting the tissue paper, rolling the tissue and inserting them into the cylindrical container.

<p>A novel cabinet carcass (1) is provided with an end column (4) being a portion serving a geometric fitting function; or just having a decorative fixed blanking panel (10) adjacent to, and matching the general decorative scheme of the cabinet doors (2,3); as a means of addressing space access planning needs related to the positioning of the said cabinet (1) within an already built location which may have adjacent restrictive structures (11) preventing the possible opening of cabinet doors; or where the space available requires the doors (2,3) to be wider than is structurally feasible. The end column (4) further provides storage space that is accessible through the main cabinet doors (2,3).</p>

<p>The present invention provides a decorative panel (1) for use in interior design and furniture components made by taking a plain board of any suitable material then cutting grooves (2) on at least a portion of one of its surfaces (3). Grooves could be made of any cross sectional profile; and may be straight or wavy. Similarly, the grooves could be oriented in any suitable direction relative to the edges of the board. In one embodiment of the invention, the grooves are made on one surface (3) of a clear sheet of acrylic material (1) which subsequently finished by spraying or applying a vacuum pressed laminate or any combination of finishes; then glued to structural backing board (5) made of a suitable material such as medium density fibreboard (MDF), so that the board's uncut surface (4) is visible on the finished product. Such panels may be either cut and finished around edges for use; or supplied to the general market as material for making furniture and interior design.</p>

The invention discloses a method for preparing and buffing an item made of vacuum press laminated MDF (or other substrate containing wood) with the end result of improved visual and tactile smoothness; the invention includes the steps of cutting and machining the part, pre-laminate preparation and sanding of the part, vacuum press laminating the part, post-laminate preparation and sanding, and buffing the part. This method of sanding and buffing results in a smoother finish than is currently available in any other vacuum press laminated MDF finish.

<p>A surface covering sheet (1) which may be optionally cut and used as a presentation or edging strip attached to furniture and interior decoration panels using adhesives such as cold glue or contact glue, is made by applying a vacuum pressed laminate film layer (2) to one side of a thick sheet of flexible material such as PVC (3) to provide a sheet of PVC lamination that can readily be offered to the retail market for further use for example in edging, side panel covering, decorative wall cladding or other interior decor applications by sticking it to surfaces using suitable adhesives such as cold contact glue. The composite sheet thus prepared is suitable for covering both straight and curved surfaces due to its flexibility. The sheet can also be used for presentation to customers as samples since it makes perception of the real look and feel of a laminate film concrete.</p>

A vanity unit carcass (1) comprising of vertical oriented structural panels (2,3,6,7) and one horizontal structural panel (8) joined using two sets of metal angle plates (9a, 9b), one set of two pairs of metal angle plates (9b) each being located in the lower portion of the carcass so as to have its two outer surfaces resting against and in respective alignment with each of the adjacent panels below the floor panels (8) at its abutment with the vertical side panels (2,3) in a horizontal orientation; while the other set (9a) is similarly located at the abutment of the top horizontal panels (6,7) and the side panels (2,3) in a vertical orientation. The angle plates are fastened onto the panels by screws driven from the angle line side into the surfaces of the panels. The pair of angle lines (9a) located on the rear side of the unit, as well as the panel (7) have pre-drilled horizontally aligned holes (10) for bolting the unit to a support structure such as a wall or a column. By using the angle plates (9) and screws or any other suitable knock down (KD-Fit) fasteners to join the unit plates together, it is possible to use only one panel (6) to separate vertical compartments of the unit; and to assemble the unit with pre-finished end panels (2,3) since no fasteners will need to be driven through the exterior surfaces of the end panels (2,3).

<p>A novel low level cabinet carcass (1) is provided by the present invention as assembled from panels and strips cut off sheets of wood substitutes such as fibreboard. An arrangement of structural components is used to attach the carcass (1) to a wall or other adjacent structures to form a neat storage system in the kitchen and working or living areas of high utility and aesthetic value. The vertical sides of the carcass (3,4) extend substantially throughout the height of the carcass: and their interior surfaces are attached to the bottom (5) panel and top panel (2, 11) as well as the optional shelf (10) to form the carcass. To ensure structural strength and aesthetics, visible surfaces of the panels of the carcass are pre-finished then attached using concealed fasteners such as panel pins, glue or screws that have been capped to conform to the surface finish of the panel; or alternatively dowels, biscuit joints and any suitable Knock-Down Fittings (KD-Fit) fasteners. The carcass back is either made of a solid panel (12) of the same thickness as the side panels (3, 4) or a set of backing structural strips (6) fixed in the back of the carcass to support a thin ply sheet (8) whose edges fit in groove (7) cut towards the rear end of the carcass on the inner surfaces side panels thus ensuring that it does not warp or bend; and also to facilitate the attachment of the carcass to a structure such as wall for example, by means of any fasteners including screws driven through structural strips (6).</p>

<p>The present invention provides a door frame (1) comprising of two sub-assemblies (4, 5) such that a first sub-assembly (5) fitted to a first side of the door opening comprises of an architrave onto which an optional strengthening member (2) as well as a fixing panel (3) and a door stop panel (6) have been rigidly attached to form the fixed door frame sub-assembly (5). The sub-assembly (5) has a slot in the vertical longitudinal orientation disposed between fixed components (3) and (6) which accommodates a portion of a vertical panel (1) of a second sub-assembly (4) which covers the second side of the door opening, in the form of an architrave attached to an optional strengthening component (7). The fixed sub-assembly (5) is first attached to the wall opening by conventional fasteners such as screws and nails (14) after ensuring a proper fit on the wall surface around the opening: then component (4) positioned and adjusted to cater for any unevenness in wall thickness on the second side of the door opening before being attached to the first sub-assembly (5) by gluing for example.</p>

<p>The present invention discloses a methodology for the stabilization of expansive clay soil using plant-based ashes for Subgrade Class S2 in Pavement Construction. The invention comprises addition of about 20% by weight of plant based ashes (including but not limited to rice husk ash, RHA) and about 2% by weight of lime, and mixing of the top 1200 mm of the soil with the stabilizer using pulverizing equipment. The invention improves the California bearing (CBR) ratio by 900%, reduces the soil plasticity by about 905 and decreases free swell by about 70%. Use of the plant-based stabilizer is not only an affordable green technology, but also gives expansive clays the minimum strength and swell characteristics specified in Kenya's Road Design Manual.</p>