

# INTELLECTUAL PROPERTIES PORTFOLIO

**MagicSIGN™**

[www.MagicStreetSign.com](http://www.MagicStreetSign.com)

In respect to the MagicSign™ products,  
**ADVS-***technologies* owns intellectual rights  
to the following patented and patent pending  
applications on file with the USPTO.

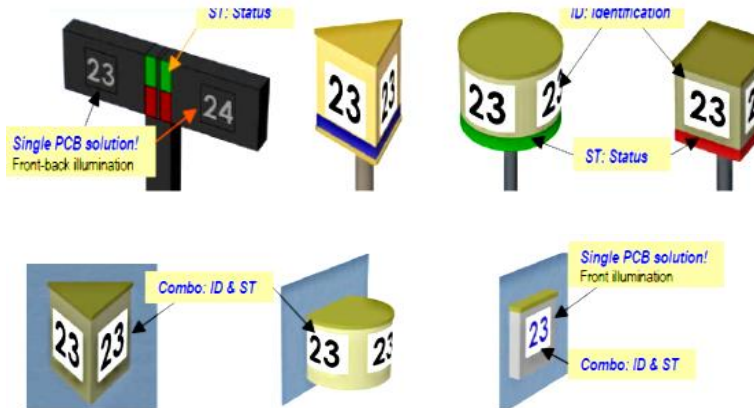
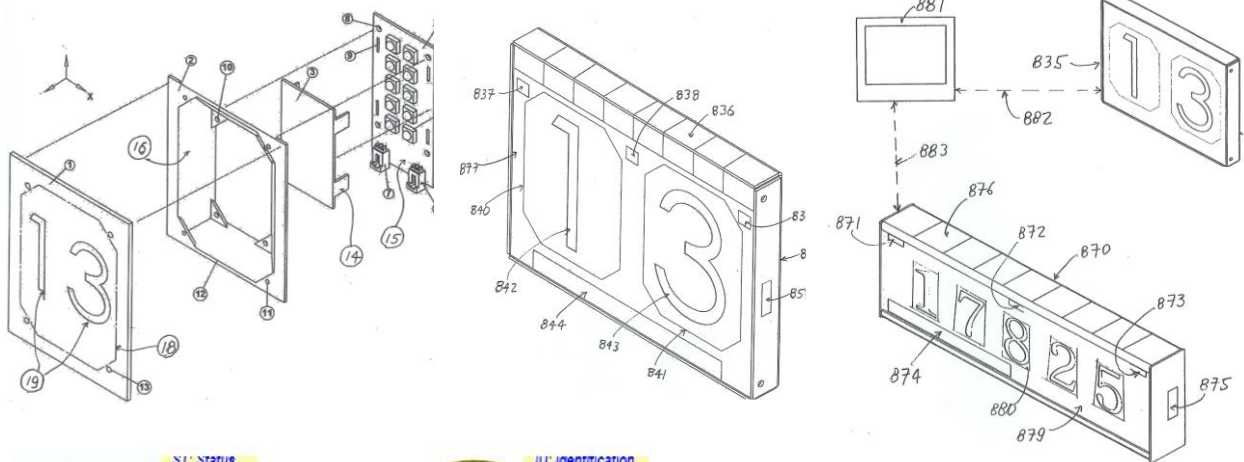
**REV 04**  
**September 9, 2013**

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**Patent No. US 8,099,261**  
**Low-cost Solid-state Identification Device**

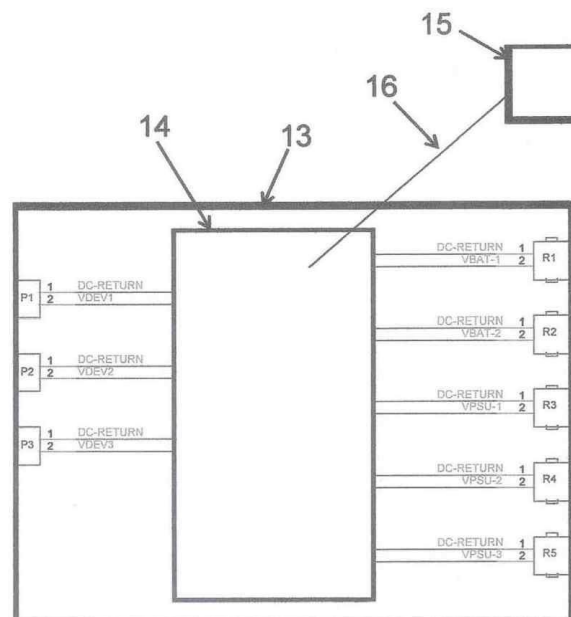
The invention describes intelligent configurable apparatus used for identification and status indication for variety of applications: point-of-service locations; buildings/apartment complexes, residential homes; street signs; etc. Apparatus could be stand-alone or expandable plug-in modules interconnected via local area wired and wireless network into identification and status system. Apparatus could be DC powered, including solar. Apparatus has controller and sensors. Based on apparatus configuration and information obtained from sensors, controller performs variety of controls: illumination color/intensity/modulation; power consumption; communication with other controllers over LAN and/or INTERNET. Sensors could detect: presence of object; environmental parameters - temperature, light, sound; power consumption. Configuration parameters include: power consumption, brightness, ambient conditions, and schedule of operation. Power consumption allows apparatus operation based on safety and cost criteria. Apparatus also controls light function and intensity to meet set criteria. This leads to self-contained apparatus automatically driven by set criteria, including cost control.



**Stand-alone Low Cost Solid State Identification Device:**

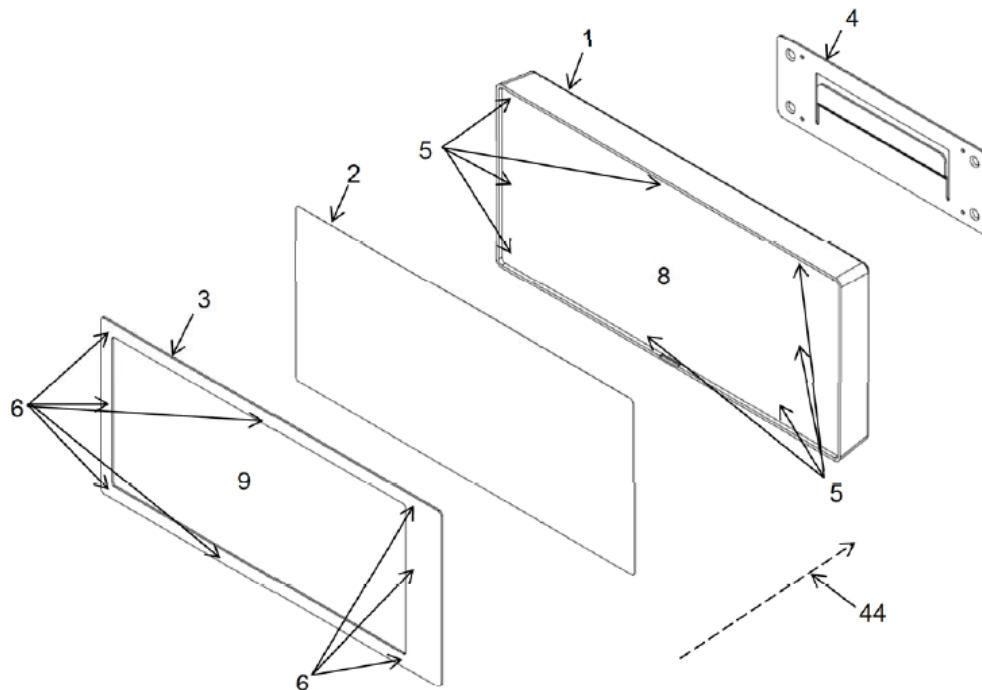
**Patent-pending application No. US 61,859,723****Apparatus DC Power Splitter to a Device from Several Power Sources with Controls**

*Invention describes configurable apparatus providing DC plug-and-power distribution from DC power sources to DC power loads. Configuration of apparatus includes combination of input power interfaces configured to distinguish or interlock power supplies connected to the apparatus. Configuration of apparatus includes combination of output power interfaces configured to distinguish or interlock power loads connected to the apparatus. Apparatus configurations include controller to monitor and control each device connected to the apparatus. Monitored parameters include: voltage, current, temperature. Controller will execute pre-defined algorithm to prevent measured parameters from exceeding set operating criteria for the apparatus and devices connected to the apparatus. Apparatus can be configured as a harness with components and interfaces embedded into the harness, or enclosure with components and interfaces inside enclosure. Apparatus can be configured and controlled by a HOST over wired or wireless network, including INTERNET. Apparatus can be configured to execute real-time commands without operator assistance.*



**Patent-pending application No. US 61,864,879****Illuminated Building Sign with Configurable Display and Faceplate**

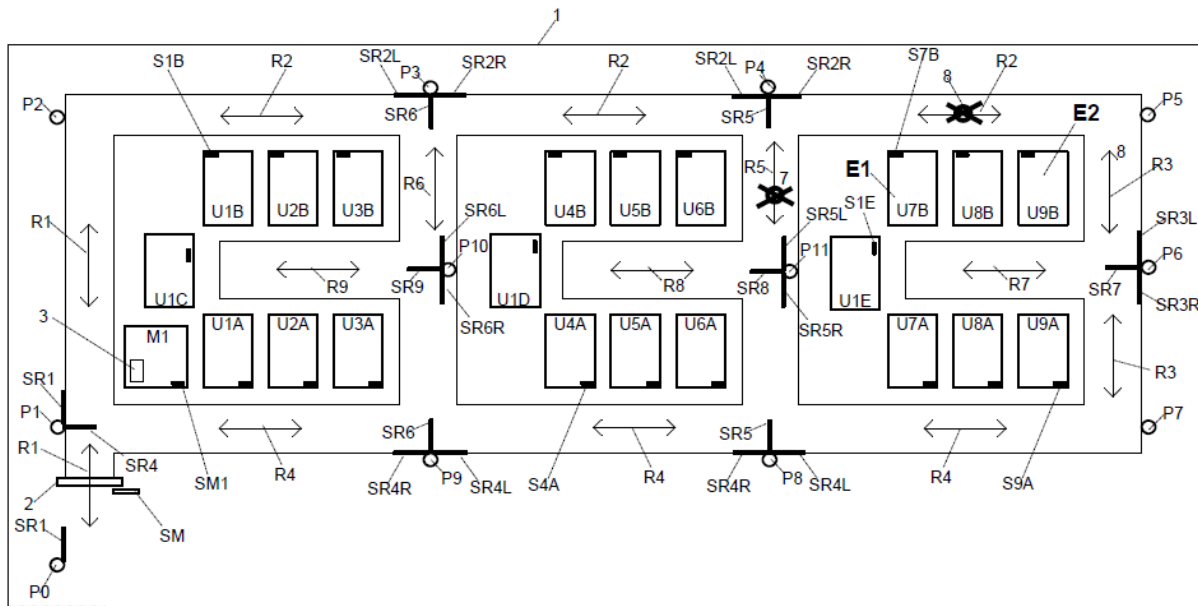
*Illuminated sign with configurable display and faceplate. Sign front area illuminated by solid state devices inside the sign. Illuminated areas are configured with pockets along perimeter of illuminated area or magnets installed inside. Sign sheet, such as transparency, matching illuminated area, configured rectangular shape, further configured with tabs to fit into pockets. Faceplate configured with magnets matching magnets of illuminated area. Sign sheet with tabs placed on top of illuminated area with pockets, and tabs are inserted into the pockets holding sheet in place. Faceplate installed on top of sign sheet without tabs and fastens its magnets to matching magnets of illuminated area, holding sign sheet in place. Sign sheet containing symbols embedded onto the sheet are visible under ambient light, and when illuminated by sign are visible at all times. Combination of symbols, art and/or characters, can be also directly attached to the illuminated area by magnets or adhesive.*



**Patent-pending application No. US 61,875,567**

**Apparatus Real Time Control and Navigation System Using Networked Intelligent Illuminated Street Address and Directional Signs to Reduce Response Time of First Responders**

*Configurable apparatus consisting of a networked system of intelligent illuminated signs, including: street address, street name and directional signs, and providing real time navigation. Control computer of apparatus through sensors and operator data entry maintains up-to-date status information of routes within a community. Control computer interfaced to community security network, and interfaced with intelligent illuminated signs of the apparatus via wired or wireless network, such as INTERNET. Control computer will monitor sensors of the apparatus and execute control algorithm providing real-time navigation and assisting emergency teams to enter the community and reaching a target destination within the community as soon as practically possible, reducing the response time. Upon completion of onsite services, control computer providing real-time navigation and assisting emergency teams exiting the community as soon as practically possible. Apparatus configured as closed-loop control system maintaining optimum use of signs and functionality during power outage.*



The **ADVS-***technologies* owns intellectual rights to the following trademarks:

**ADVS-LED.***signage*<sup>™</sup>

**ADVS-***MagicSign*<sup>™</sup>

**ADVS-***MagicBillboard*<sup>™</sup>

**ADVS-***MagicSignNet*<sup>™</sup>

**ADVS-***MagicBillboardNet*<sup>™</sup>

**i***MagicBillboard*<sup>™</sup>

**MagicSign**<sup>™</sup>

**MagicPowerSplitter**<sup>™</sup>

**MagicSignNet**<sup>™</sup>