

Introducing . . . The Powerful **LightGenie**, to make money for **You**.

In a Nutshell . . .

For improved safety, friendliness, and marketability of vehicles, the **LightGenie** provides in one unit, all the solutions to the four vexing problems in vehicle lighting:

- DAYTIME RUNNING LIGHTS, (DRLs), with user's freedom in turning lights off at day or night with the US model. Full compliance with US and Canadian Standard 108. Flash-To-Pass as a bonus for vehicles built without it.
- MANUAL TURN-ON WITH NO NEED FOR IGNITION KEY, and Automatic turn-on of evening lights.
- ABSOLUTE BATTERY PROTECTION and Delay turn-off of all inadvertently left-on Head, Tail and Dome lights.
- USERS' FREEDOM OF CHOICE in activating or deactivating the US DRLs anytime they like, in a semi-permanent manner.

Each one of these solutions can prove to be superior to the combination of several separate, individual packages presently used by the industry in terms of savings for the OEMs and benefits for end users.

The ingenuity and advanced development of the **LightGenie** simplify to the extreme its adoption by the OEMs and transfer great cost savings to the end-users:

- The size of a cigarette pack, it may be priced less than anything the industry can now offer to car users.
- It works virtually on all cars, vans and trucks, Domestic and Foreign.
- After certification of compliance with CAFE and Standard 108 regulations, it can be easily fitted at the vehicle assembly lines in less than 1 minute; or in the US, at the dealership showroom or after sales as a factory-certified option in LESS THAN 5 MINUTES with absolutely NO WIRE CUTTING, WIRE SPLICING, OR HOLE DRILLING!
- Savings for OEMs in manufacturing flexibility: Thanks to the **LightGenie**, vehicles for US and Canada and elsewhere can have the same electric wiring. US vehicles can be shipped without the **LightGenie** to attract customers with lowest base prices. The **LightGenie**, as a factory-certified option, can serve as a low-cost, last-minute strong incentive to own a new vehicle.

How it Works:

The **LightGenie** senses remotely when the engine is running, when a light switch is turned on or off, and whether it is day or night. It acts as an intact fuse and a closed switch when and where it is to turn on the head, tail or dome lights, and acts as an open switch when it is to turn them off. To protect the vehicle circuits, it monitors them a few thousand times every second, and acts as a blown fuse if there is a danger of short circuit, overcurrent, or overvoltage. When the danger is removed, it recovers itself automatically. The **LightGenie** is the

only device now available to the OEMs to provide the drivers with absolute peace of mind about battery protection at incredibly low cost. It will surely save a lot of extra money for the OEMs in road-side assistance to new-car customers.

Product Liability Risk

The all-solid-state **LightGenie** can be shown to be legally better in liability risk than the fuses, circuit breakers or relays it replaces; it has fast built-in, self-resetting electronic circuit breakers with proven reliability. In the worst-case scenario, these breakers would melt open like conventional fuses.

How soon can the **LightGenie** be available?

Three to six months ARO, after production is approved.

Marketing Goals

The Inventor/Developer seeks two concurrent goals:

- To receive purchase orders from automotive OEMs for the production of **LightGenies** that fit 2007 vehicle generations, thus helping to sell more vehicles and improve drivers' safety.
- To produce and distribute as many **LightGenies** as possible (up to 2006 models) for retail in the after-sales market.

Time-To-Market

• Research and Development are finished. The Inventor/Developer of the **LightGenie** is available to finalize the details of production and to supervise all the assembly steps by a pre-evaluated contract manufacturer in Columbus, Ohio. Contract manufacturers' capacity can be ramped up easily to OEM quantities with absolute US quality control.

• Extensively-refined pre-production samples are available for field tests. Demonstrations at potential OEM's site can be arranged quickly.

Patent Protection

The **LightGenie** is protected by US Patents 5,329,204 and 5,621,277.

Inventor/Developer Profile

Tom L. Ricca has a Ph.D. degree in electrical engineering with strong specialization in computers. He has over twenty years of experience in teaching and engineering practice and has to his credit six U.S. Patents, prosecuting five of them himself. Familiar with Patent Laws, Patent Licensing, Cost Structure and Product Planning, he is easy to negotiate with before final legal advice is used. He can be reached at:

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