

## NEWS RELEASE

### For more information:

Valorie White  
Executive Vice President  
The Butterfly Aircraft LLC  
615-812-3161  
[valorie@thebutterflyllc.com](mailto:valorie@thebutterflyllc.com)

### FOR IMMEDIATE RELEASE

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#### UNITED STATES PATENT ISSUED: FOLDING ROTOR FOR A ROTORCRAFT

U S Patent No.: US 7,857,590 B1, a patent on a FOLDING ROTOR FOR A ROTORCRAFT, was issued to Larry Neal of Boyd, Texas, United States, on December 28, 2010 five years after his first U S Patent No.: US 6,978,969 B1 was issued on December 27, 2005 on a FLY-DRIVE VEHICLE.

These two patents cover the technology that allowed the Super Sky Cycle, a street legal FLYING MOTORCYCLE, to first fly in December of 2005 as an experimental aircraft and also be registered as a homebuilt motorcycle by the DMV in the fall of 2008. The SSC has been seen driving around town, going to car shows, and flying overhead in the Texas skies for years.

The Super Sky Cycle is one of the first Fly-Drive Vehicles in the world to be put into production. There has been several attempts by other companies to put a fly-drive vehicle on the market but most designs have turned out to be overweight and underpowered or had some other design flaw that emerged. A lot of companies try to sell their vehicles to the public without even being flight tested in an effort to obtain money to develop the product. Most have failed at this attempt as the buying public is smart enough not to buy into the "dream of fly-drive" without seeing the machine in action.

Larry took the Super Sky Cycle to Airventure 2009 as a gyroplane that drives and drove it to the Road-able Aircraft Forum on Friday evening. He then took it to the famous Sturgis Bike Rally in South Dakota the following week and presented it as a motorcycle that fly's. Larry entered the SSC in the Rat's Hole Custom Bike Show on Friday and won an award for Most Unusual. The bike was placed up front and center and was accepted by the biking community as a Space Age Trike.

The unique G-Force Landing Gear allows the SSC to lower itself down to fit into a garage.

The Metro Launch System, a powerful pre rotator, allows the rotors to be spun up to full liftoff speed and allows the vehicle to leave the ground in about 5 seconds. This capability eliminates the need for a conventional airport for takeoff and the craft only needs a couple of hundred feet to get airborne.

The folding rotor is revolutionary in the rotorcraft world. The folding rotor technology allows a long rotor to be folded up and become shorter than the vehicle which allows it to be kept in the garage and be driven down the road. The rotor folds up similar to an old carpenter's ruler. The unique elastomeric couplers and link folding rotor system allows the rotor to be folded out and flown without the usual step of "stringing the blades" as a normal gyroplane must have. This makes this rotor system a "plug and play" rotor which is a must for a vehicle that can go from drive mode to flight mode in less than three minutes.

The Super Sky Cycle's flight engine is a turbocharged Rotax 115 hp aircraft engine. The separate drive engine has 30 hp and only weighs 40 lbs. When asked why he put two engines on the SSC instead of driving down the road with the flight engine Larry said, "It wouldn't make sense to wear out a \$30,000.00 airplane engine driving down the road when you can use a \$3,000.00 engine to do the same job. The SSC actually became a less complicated vehicle by adding the second engine and having two separate systems, one to fly and the other one to drive."

White said more information is at: [www.thebutterflyllc.com](http://www.thebutterflyllc.com)

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(NOTE TO EDITOR:

\*\*\*Media Art: Pictures may be downloaded of the Super Sky Cycle from the website. Go to: [www.thebutterflyllc.com](http://www.thebutterflyllc.com) Click on Media. Click on the current news release and follow the links.

