

United States Patent Office Awards Patent to Bald Spot Sports for Vehicle Passenger Restraint System



Indianapolis, Indiana – May 11, 2004 – Bald Spot Sports, LLC, [BSS] announces the receipt of a United State Patent (US No. 6733710 B2) on their Vehicle Passenger Restraint [VPR] (or foam racing seat) and its method of production. The VPR was invented by Alan R. Lewis, president of Createc Corporation, and protects the method of producing a beaded foam seat designed to absorb impact forces before they can act on the body of a race car driver during collision. Seats are manufactured using technology exclusive to BSS and molded from two new specialty foams, Creasorb™ and Creafoam™, provided to BSS for race car seat production by Createc Corporation.

The VPR surrounds the driver/passenger, is custom fit to their specific body characteristics, and holds them in place during impact. By limiting the movement of the driver/passenger relative to the vehicle during an impact, incidents of injury are greatly reduced. The BSS seat performs with greater tested and proven force deadening properties than a standard generic expanded polystyrene seat offered by many of the competitors.

The main shell of the BSS licensed VPR is manufactured out of Creasorb™ foam, which has greater elasticity, allowing it to absorb impact and return to its initial shape with greater integrity. Areas can be carved out of the neck and back areas of the elastic seat to create room for foam stability plugs to be inserted. The Creafoam™ plugs are designed to offer maximum stability and force deadening during a single impact.

Race seats that absorb force on initial impact compact when it happens, causing a loss of future force absorption properties. After an impact, the compacted foam plugs in the new BSS VPR can be removed, discarded, and replaced. This allows the seat to be usable for multiple impacts with both elastic foam reduction properties while still maintaining greater stability on the driver/passenger's spine.

The process described in the patent includes a greater detailed outline of the following steps:

- Placing a foam/resin filled plastic bag in the vehicle (Creafoam™)
- Having a driver/passenger enter the vehicle and sit in the foam filled plastic bag
- Allowing the foam to form around the driver/passenger
- Removing the driver/passenger from the vehicle
- Causing the foam to finish hardening
- Scanning the completed foam seat to develop a 3-D image file
- Using the 3-D file to cut a new seat from a solid block of foam with greater elasticity using CNC machine technology (Creasorb™)
- Removing part of the seat to allow for the insertion of a single impact foam plug (Creafoam™)
- Inserting the single impact foam plug
- Mounting a leg separator insert onto the lower part of the driver/passenger restraint

Lewis has licensed the exclusive manufacturing technology outlined in the patent to BSS for 20 years. BSS has been manufacturing performance enhancing foam solutions for various sporting activities since 2002. Headquartered in Indianapolis, IN, the company capitalizes from their design/technology alliance with Createc Corporation, one of the nation's largest custom foam molders. BSS is actively engaged in the production of technologically superior racing seats for professional auto racers and private enthusiasts. BSS is continually working with independent labs to test innovative foam products. ###

317.769.5870

BALD SPOT SPORTS
Perry Industrial Park
4035 Perry Boulevard
Whitestown, IN 46075 USA
Toll-Free 1.877.BSS.SEAT
Fax 317.769.5872