InventionHome® Inventor Spotlight: Emergency Door Seal

PITTSBURGH, PA, UNITED STATES, September 11, 2026 / EINPresswire.com/ -- For Gregory T. of Anniston, AL, the idea for the Emergency Door Seal began during a flight aboard a military cargo aircraft. After the aircraft began pressurizing, he noticed a small but persistent hissing sound coming from an emergency door seal area. When he and the Load Master investigated, they discovered that the crew was using plastic trash bags to temporarily fill the gap. This makeshift solution highlighted the need for something more dependable and purpose-built.

“I have always had a mind that thinks beyond the box,” said Gregory. “To provide an answer or idea that helps. I see problems of others or objects and my mind kicks into overdrive to come up with a solution.”

The patent-pending Emergency Door Seal is designed to provide a temporary way to address gaps and leaks around aircraft doors and fuselage openings until permanent maintenance can be performed. The concept uses a durable, inflatable gasket that can conform to irregular spaces and help reduce cabin pressure loss. A secondary patch kit may also be used to temporarily cover localized gouges, cracks, or holes in the aircraft fuselage.

The invention is intended primarily to support military and cargo aircraft crews with potential applications for commercial aviation and other aviation operations. For an inventor with decades of experience spanning both the civil engineering and military fields, the concept reflects his instinct to find practical solutions when problems arise. After receiving recognition from the military for repairs and ideas developed during his service, he hopes the Emergency Door Seal will provide aircrews with a more reliable option when an unexpected problem occurs.

Companies interested in the Emergency Door Seal can contact InventionHome at member@inventionhome.com. Inventors currently looking for assistance in patenting, marketing, or licensing their invention can request information from InventionHome at

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