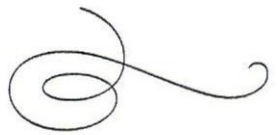
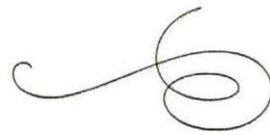


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## The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

# Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

*Andrew Lerner*

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



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(12) **United States Patent**  
**Babovka et al.**

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(54) **LIFE-SAVING EQUIPMENT FOR UNMANNED AIR VEHICLES**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 471 days.

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**B64C 39/02** (2006.01)  
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**B64D 17/80** (2006.01)

(52) **U.S. Cl.**  
CPC ..... **B64D 17/725** (2013.01); **B64C 39/024** (2013.01); **B64D 17/42** (2013.01); **B64D 17/80** (2013.01); **B64C 2201/185** (2013.01)

(58) **Field of Classification Search**  
CPC ..... B64C 2201/185; B64D 17/42; B64D 17/725; B64D 17/80  
See application file for complete search history.

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(57) **ABSTRACT**

The life-saving equipment for unmanned air vehicles includes

- a container with an opening,
- a parachute, consisting of a parachute canopy, suspension lines and a harness, where the parachute can be folded inside the container,
- a stopper which divides the inner space of the container into the combustion chamber and the storage chamber for storing the parachute, where the storage chamber is arranged between the stopper and the container opening and where the stopper is designed to be slid out of the container through the opening, and
- a gas pyro actuator placed in the combustion chamber and connectable to the activation line.

**9 Claims, 6 Drawing Sheets**

