Inflatable Stretcher to Transport Patients

Emergency transportation of seriously burned or disabled patients is facilitated by the use of an inflatable plastic bag inside of a relatively strong, inflexible outer bag. When the bag is inflated the patient is completely immobilized and cushioned from external shock such that special support bunks are unnecessary when loaded on board aircraft, helicopters, or trucks.

The outer, non-elastic, high-pressure bag and the inner, elastic, low-pressure bag share the same zipper in the front. An opening is provided for the face, which may be covered by the outer bag perhaps with a transparent insert. Air for breathing, temperature controls and communications may be provided by appropriate plug-in connections. The high-pressure outer bag supports the system against local loads, including external straps. When not in use, the device may be deflated to facilitate transportation.

This innovation may be of interest to the medical profession, both military and civilian, with special emphasis upon patient transportation.

Note:

The following documentation may be obtained from:

The Clearinghouse for Federal Scientific and Technical Information
Springfield, Virginia 22151
Single document price $3.00
(or microfiche $0.65)

Reference: NASA-CR-61069 (X65-11515), Pilot Compartment Airbag Restraint Program

Patent status:

No patent action is contemplated by NASA.

Source: Dr. Carl C. Clark, Carl Bleech Schmidt, and Fay T. Gordon, Jr. of Martin Company under contract to NASA Headquarters (HQN-10179)

April 1970 Brief 70-10254

NASA TECH BRIEF

NASA Tech Briefs announce new technology derived from the U.S. space program. They are issued to encourage commercial application. Tech Briefs are available on a subscription basis from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151. Requests for individual copies or questions relating to the Tech Brief program may be directed to the Technology Utilization Division, NASA, Code UT, Washington, D.C. 20546.

This document was prepared under the sponsorship of the National Aeronautics and Space Administration. Neither the United States Government nor any person acting on behalf of the United States Government assumes any liability resulting from the use of the information contained in this document, or warrants that such use will be free from privately owned rights.