



## PATENT AND PUBLICATION SUMMARY

### Patent Filings

Smith TJN, Pugh SM, Pecaric MR, Hagg R, Tommasini R, Larcher Y, Misener L. Automated Tissue Engineering System. International Application WO 03/087292, October 23 2003.

### Manuscripts and Abstracts

- Pecaric M, Buick F, Maloan J. Cardiovascular responses associated with improved or delayed G-valve responsiveness. Abstract. Aviation, Space, and Environmental Medicine. 1997;68:A44.
- Pecaric M, Jackson MT, Frampton RR, Maloan J, Buick F. Implementation of a computer-controlled life support system in the acceleration research environment. Safety and Flight Equipment. 1996;26:54-61.
- Buick F, Beijer D, Pecaric M, Maloan J, Steffler J, Turgeon P. Sting: 1. Development of an advanced +Gz protection system in the Canadian F-18 - programme description and the G-suit. Aviation, Space, and Environmental Medicine. 1995;66:477.
- Goodman LS, Buick F, Maloan J, Pecaric M, Welch V, Paul M. Sting: 2. Advanced +Gz protection system in the Canadian F-18 - an upper body garment for use with PBG. Aviation, Space, and Environmental Medicine. 1995;66:477.
- Pecaric M, Buick F, Maloan J, Welch V, Paul M. Sting: 3. Advanced +Gz protection system in the Canadian F-18 - a schedule for positive pressure breathing during +Gz (PBG). Aviation, Space, and Environmental Medicine. 1995;66:477.
- Buick F, Pecaric M, Maloan J. "STING" program - the G-suit: effect of type of G-suit hose and connector on rate of pressurization. DCIEM Technical Memorandum (HPSD 95/004), April 1995.
- Buick F, Wood EH, Pecaric M, Maloan J. Methods for measuring physiological responses and protection in man exposed to high G. Advisory Group For Aerospace Research and Development, Aerospace Medical Panel. 8-1 to 8-15, May 1995.
- Pecaric M. The role of the personal computer in the design and development of advanced life support equipment for tactical aircraft. Conference Proceedings from the Center for Advanced Studies Conference (CASCON), Toronto, Ontario, November 1995.
- Welch V, Buick F, Pecaric M, Maloan J, Bassick J, Wood EH. +Gz protection from full-pressure half suit and positive pressure breathing. DCIEM Technical Memorandum (HPSD 94/17), October 1994.
- Pecaric M, Jackson MT, Frampton RR, Maloan J, Buick F. A prototype computer controlled life support system for independent regulation of G-suit and PBG pressures. Conference Proceedings from the 32nd Annual Safety and Flight Equipment (SAFE) Symposium, pp1-11, October 1994.
- Fraser WD, Goodman LS, Ackles KN, Mohn D, Pecaric M. Comparison of the cardiovascular responses with standard coverage anti-G suits during rapid decompression. Aviation, Space, and Environmental Medicine. 1994;65:209-13.
- Goodman LS, Fraser WD, Ackles KN, Mohn D, Pecaric M. Cardiovascular responses to prolonged positive pressure breathing using standard vs. extended coverage anti-G suits. Aviation, Space, and Environmental Medicine. 1993;64:1101-7.
- Pecaric M, Buick F, Maloan J. Computer control of an electro-mechanical breathing regulator for providing positive pressure breathing and an electronic G-valve for human +Gz research. Defence and Civil Institute of Environmental Medicine, Downsview, Ontario. DCIEM Report 93-05, January 1993.
- Buick F, Pecaric M. "STING" programme - preliminary analysis of PBG schedule study. DCIEM Technical Memorandum (HPSD 93/18), November 1993.

- Jackson M, Pecaric M, Celotto P, Buick F, Maloan J. Evaluation of a prototype computer controlled-life support system interface for acceleration research. *Aviation, Space, and Environmental Medicine*. 1993;64:462.
- Buick F, Maloan J, Welch V, Pecaric M, Wood E. Ear opacity: Indicator of circulatory changes at head level for objective measurements of unprotected and protected human +Gz tolerance. *Aviation, Space, and Environmental Medicine*. 1993;64:461.
- Pecaric M, Buick F, Maloan J. PBG Schedules and +Gz-Intensity Tolerance: I. GOR Profiles and Effects of PBG Slope and Maximum Mask Pressure. *Aviation, Space, and Environmental Medicine*. 1993;64:449.
- Pecaric M, Buick F, Maloan J. Computer control of an electro-mechanical breathing regulator for providing positive pressure breathing and an electronic G-valve for human +Gz research. Defence and Civil Institute of Environmental Medicine, Downsview, Ontario. DCIEM Report 93-05, January 1993.
- Buick F, Hartley J, Pecaric M. Maximum intra-thoracic pressure with PBG and AGSM. *Aviation, Space, and Environmental Medicine*. 1992; 63:670-7.
- Pecaric M, Buick F. Determination of a pressure breathing schedule for improving relaxed +Gz tolerance. *Aviation, Space, and Environmental Medicine*. 1992;63:572-8.
- Pecaric M, Buick F. Different PBG levels and +Gz-intensity tolerance. *Aviation, Space, and Environmental Medicine*. 1991; 62:448.
- Buick F, Hartley J, Pecaric M. Maximum intra-thoracic pressure with PBG and AGSM. AGARD Aerospace Medical Panel Symposium: High Altitude and High Acceleration Protection for Military Aircrew, Pensacola, Florida, April 1991.
- Buick F, Hartley J, Pecaric M. Maximum intra-thoracic pressure with PBG and AGSM. In: High altitude and high acceleration protection for military aircrew. Neuilly-sur-Seine, France: North Atlantic Treaty Organization, Advisory Group for Aerospace Research and Development; AGARD Conference Proceedings No. CP 516,7-1 to 7-9, 1991.
- Buick F, Pecaric M. PBG level and relaxed +Gz tolerance: early results of a preliminary investigation. DCIEM No. 3752A-P51C2, October, 1989.

### **Doctoral Dissertation**

- Pecaric M. Factors Influencing the Cardiovascular Response to +Gz: Implications on the Design of Life Support Systems for Acceleration Protection. ©Copyright 2003 by Contrail Consulting Services.

### **Masters Dissertation**

- Pecaric M. +Gz Tolerance and Different Levels of Pressure Breathing. York University, 1991.