

PUBLICATIONS AND PATENTS (19 patents, selected publications and citations)

Issued Patents:

1. *Skin Stapler with Multi-directional Release Mechanism*, U.S. Patent No. 5908149, June 1, 1999.
2. *Skin Stapler with Rack and Pinion Staple Feed Mechanism*, U.S. Patent No. 5937951, August 17, 1999.
3. *Skin Stapler with Movable Anvil*, U.S. Patent No. 5938101, August 17, 1999.
4. *Adhesively Connected Polymeric Pressure Chambers and Method for Making the Same*, U.S. Patent No. 6,412,484, July 2, 2002.
5. *Fluid Control Valve for Pressure Vessel*, U.S. Patent No. 6412484, July 2, 2002.
6. *Wheeled Personal Transport Device Incorporating Gas Storage Vessel Comprising A Polymeric Container System For Pressurized Fluids*, U.S. Patent No. 6412801, July 2, 2002.
7. *Walking Assistance Device Incorporating Gas Storage Vessel Comprising a Polymeric Container System For Pressurized Fluids*, U.S. Patent No. 6453920, Sept. 24, 2002.
8. *High Pressure Fitting With Dual Locking Swaging Mechanism*, U.S. Patent No. 6502571, Jan. 7, 2003.
9. *Polymeric Container System for Pressurized Fluids*, U.S. Patent No. 6510849, Jan. 28, 2003.
10. *Emergency Breathing Apparatus Incorporating Gas Storage Vessel Comprising A Polymeric Container System For Pressurized Fluids*, U.S. Patent No. 6510850, Jan. 28, 2003.
11. *Wearable Storage System for Pressurized Fluids*, U.S. Patent No. 6,513,522, February 4, 2003.
12. *Wearable Belt Incorporating Gas Storage Vessel Comprising A Polymeric Container System for Pressurized Fluids*, U.S. Patent No. 6,513,523, February 4, 2003.
13. *Utility Belt Incorporating Gas Storage Vessel*, U.S. Patent No. 6,526,968, March 4, 2003.
14. *Vehicle Incorporating Gas Storage Vessel Comprising A Polymeric Container System For Pressurized Fluids*, U.S. Patent No. 6,527,075, March 4, 2003.
15. *Litter Incorporating Gas Storage Vessel Comprising A Polymeric Container System For Pressurized Fluids*, U. S. Patent No. 6,536,425, March 25, 2003.
16. *Method For Forming A Polymeric Container System For Pressurized Fluids*, U.S. Patent No. 6,579,401, June 17, 2003.
17. *Ambulatory Storage System for Pressurized Gases*, US Patent No. 6,651,659, Nov. 22, 2003.
18. *Conserver for Pressurized Gas Tank*, United States Patent No. 6866042, March 15, 2005
19. *Portable Field Anesthesia Machine and Control Therefore*, United States Patent No. 7,438,072 B2, October 21, 2008.

Funded Research/Grants:

- Oxygen Device for Persons With Respiratory Disability, NIH Grant No. 1 R43 HL072675-01A1, 06/18/2004 – 12/18/2005
- Portable Field Anesthesia Machine, NIH Grant No. 1 R43 GM073235-01, 03/01/2005 – 08/31/2006

Book/Book Chapters:

- J. I. Izuchukwu and C. A. Dyer. "Evolution of Legacy Software Using Declarative Programming," in *Intelligent Engineering Systems Through Artificial Neural Networks: Smart Engineering System Design: Neural Networks, Evolutionary Programming And Artificial Life*,

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- J. I. Izuchukwu and C. A. Dyer. "Derivation of Design and Manufacturing Solutions by Means of Decision Pruning and Evolutionary Programming," in *Intelligent Engineering Through Artificial Neural Networks: Smart Engineering Systems: Neural Networks, Fussy Logic, Data Mining, and Evolutionary Programming*, vol. 7. C. H. Dagli, M. Akay, O. Ersoy, B. R. Fernandez, A. Smith (Eds.). New York: ASME Press, 1997, pp. 759-770.
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- J. I. Izuchukwu. "Automatically Controlled Portable Anesthesia Machine for Mass Casualty Care (in-progress, *J. Biomedical Engineering Technology*)."
- J. Izuchukwu. "Benefit of Oxygen Saturation Monitoring At Home for Patients with Lung or Heart Disease, or Sleep Apnea Syndrome (in-progress, *J. of Biomedical Engineering Technology*)."
- J. I. Izuchukwu. "Process and Technical Perspectives on Integrated Product Development." *J. Manufacturing Science and Eng.* 118 (3), pp. 117-118, Aug. 1996.
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