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US Patents Issued

- 1. Larry J. Eshelman and J. David Schaffer, Method for Optimizing the Configuration of a Pick and Place Machine, Patent 5390283, United States, 14 February 1995.
- 2. J. David Schaffer and Murali Mani, Method for Optimizing the Layout and Charge Maps of a Flowline of Pick and Place Machines, Patent 5909674, United States, 1 June 1999.
- 3. J. David Schaffer and Murali Mani, Apparatus for Optimizing the Layout and Charge Maps of a Flowline of Pick and Place Machines, Patent 5864833, United States, 26 January 1999.
- 4. Keith E. Mathias and J. David Schaffer, Goal Directed User Interface, Patent 6196917, United States 6 March 2001.
- 5. J. David Schaffer, Keith E. Mathias and Larry J. Eshelman, Code Compaction by Evolutionary Algorithms, Patent 6260031, United States, 10 July 2001.
- 6. J. David Schaffer, Component Placement Machine Step Size Determination for Improved Throughput via an Evolutionary Algorithm, Patent 6260178, United States, 10 July 2001.
- 7. J. David Schaffer, and Murali Mani, Apparatus for Optimizing the Layout and Charge Maps of a Flowline of Pick and Place Machines, Patent 6275815, United States, 14 August 2001.
- 8. J. David Schaffer and Murali Mani, Method for optimizing the layout and charge maps of a flowline of pick and place machines, Patent 6282528, United States, 28 August 2001.
- 9. Keith E. Mathias and J. David Schaffer, Object Proximity/Security Adaptive Event Detection, Patent 6300872, United States, 9 October 2001.
- 10. J. David Schaffer, Customizing database information for presentation with media selections, Patent 6411949, United States, 25 June 2002.
- 11. Yasser alSafadi and J. David Schaffer, Reconfiguration manager for controlling upgrades of electronic devices, Patent 6467088, United States, 15 October 2002.
- 12. Keith E. Mathias, Murali Mani and J. David Schaffer, Image classification using evolved parameters, Patent 6480627, United States, 12 November 2002.
- 13. Larry J. Eshelman, and J. David Schaffer, Method for optimizing a line of pick and place machines, Patent 6487544, United States, 26 November 2002.

- Keith E. Mathias and J. David Schaffer, Object proximity/security adaptive event detection, Patent 6492905, United States, 10 December 2002.
- 15. Keith E. Mathias, Larry J. Eshelman, and J. David Schaffer, "Method for improving neural network architectures using evolutionary Algorithms," Patent 6553357, United States, 22 April 2003.
- 16. Larry J. Eshelman, and J. David Schaffer, "Modular optimizer with foreign module learning feature for optimization of component placement machines," Patent 6594531, United States, 15 July 2003.
- 17. J. David Schaffer, Larry J. Eshelman, and Richard A. Caruana, "Optimized artificial neural networks," Patent 6601053, United States, 29 July 2003.
- 18. J. David Schaffer, and Larry J. Eshelman, "Modular optimizer with precedence constraint-handling feature for optimizing placement machines," Patent 6650953, United States, 18 November 2003.
- 19. J. David Schaffer, and Kwok Pun Lee, "Method and apparatus for displaying television program recommendations," Patent 6704931, United States, 9 March 2004.
- 20. Kwok Pun Lee and J. David Schaffer, "Method and apparatus for evaluating television program recommenders," Patent 6766525, United States, 20 July 2004.
- 21. Srinivas Gutta, J. David Schaffer and Kwok Pun Lee, "Method and apparatus for displaying program recommendations with indication of strength of contribution of significant attributes," Patent 6851090, United States, 1 February 2005.
- 22. J. David Schaffer, "Multi-feature combination generation and classification effectiveness evaluation using genetic algorithms," Patent 6892191, United States, 10 May 2005.
- 23. J. David Schaffer and Kwok Pun Lee, "Electronic program viewing history generator method and system," Patent 6934964, United States, 23 August 2005.
- 24. Kaushal Kurapati and J. David Schaffer, "User interface for collecting viewer ratings of media content and facilitating adaption of content recommenders," Patent 6990635, United States, 24 January 2006.
- 25. J. David Schaffer, Kaushal Kurapati and, Karen I. Trovato "Recommender system using "fuzzy-now" for real-time events," Patent 7017172, United States, 21 March 2006.
- 26. J. David Schaffer, "Adaptive TV Program Recommender," Patent 7051352, United States, 23 May 2006.
- 27. J. David Schaffer, Karen I. Trovato, and Kaushal Kurapati "Real-time event recommender for media programming using 'Fuzzy-Now' and 'Personal Scheduler'," Patent 7085747, United States, 1 August 2006.
- 28. J. David Schaffer, "Controlling the growth of a feature frequency profile by deleting selected frequency counts of features of events," Patent 7130866, United States, 31 October 2006.
- 29. Karen I. Trovato, J. David Schaffer, and, Kaushal Kurapati "Evening Planner," Patent 7131134, United States, 31 August 2006.
- 30. Srinivas Gutta, Kwok Pun Lee and J. David Schaffer, "Adaptive sampling technique for selecting negative examples for artificial intelligence applications," Patent 7231652, United States, 12 June 2007.
- 31. Lalitha Agnihotri, J. David Schaffer, Nevenka Dimitrova, Thomas McGee, Jeannine Sylvie, "Method, apparatus, and program for evolving algorithms for detecting content in information streams," Patent 7337455, United States, 26 February, 2008.

- 32. J. David Schaffer and Larry J. Eshelman, "Method and apparatus for generating television program recommendations based on similarity metric," Patent 7454775, United States, 18 November 2008.
- 33. J. David Schaffer, Kwok Pun Lee, Kaushal Kurapati and Srinivas Gutta, "Method and apparatus for selective updating of a user profile," Patent 7721310, United States, 18 May 2010.
- 34. J. David Schaffer, Kwok Pun Lee, Kaushal Kurapati and Srinivas Gutta, "Three-way media recommendation method and system," Patent 7937725, United States, 3 May 2011.
- 35. Srinivas Gutta, J. David Schaffer, and Kaushal Kurapati "Nearest Neighbor recommendation method and system," Patent 8073871, United States, 6 Dec. 2011.
- 36. Lalitha Agnihotri, J. David Schaffer, and Nevenka Dimitrova "Method to automatically decode microarray images," Patent 8199991, United States, 12 June 2012.
- 37. J. David Schaffer, Walid Ali, Larry J. Eshelman, Claude Cohen-Bacrie, Jean-Michel Lagrange, Claire Levier, Nicholas Villain and Robert R. Entrekin, "Method and apparatus for automatically developing a high performance classifier for producing medically meaningful descriptors in medical diagnosis imaging," Patent 8208697, United States, 26 June 2012.
- 38. J. David Schaffer, Mark R. Simpson, Nicholas Chbat, Nilanjana Banerjee, and Yasser alSafadi, "Decision support system for acute dynamic diseases," Patent 8494871, United States, 23 June 2013.
- 39. Keith E. Mathias, Karen I. Trovato and J. David Schaffer, "Method and apparatus for presentation of intelligent, adaptive alarms, icons and other information," Patent 8578439, United States, 5 November 2013.
- 40. J. David Schaffer and Mark R. Simpson, "Methods for optimizing and using medical diagnostic classifiers based on genetic algorithms," Patent 8798937, United States, 5 August 2014.
- 41. Kaushal Kurapati, J. David Schaffer, Srinivas Gutta, Method and apparatus for generating recommendation scores using implicit and explicit viewing preferences. Patent 8843965, United States, 23 September 2014.
- 42. J. David Schaffer, "Detection of errors in the inference engine of a clinical decision support system," Patent 8954339, United States, 10 February 2015.
- 43. J. David Schaffer, Caitlyn Marie, Chiofolo, "Methods and systems for identifying patients with mild cognitive impairment at risk of converting to Alzheimer's," Patent 9367817, United States, 14 June 2016.