

## Brendan Traw

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### Patents

- » 7,600,118, Method and apparatus for augmenting authentication in a cryptographic system
- » 7,558,265, Methods and apparatus to limit transmission of data to a localized area
- » 7,426,274, Method and apparatus for generating pseudo random numbers in a video device having an embedded cipher unit
- » 7,392,381, Proactive forced renewal of content protection implementations
- » 7,380,137, Content guard system for copy protection of recordable media
- » 7,305,711, Public key media key block
- » 7,114,168, Method and apparatus for determining scope of content domain
- » 7,111,169, Method and apparatus for content protection across a source-to-destination interface
- » 6,957,343, Validating keying material by using a validation area of read-only media to prevent playback of unauthorized copies of content stored on the media
- » 6,956,949, Method and apparatus for authenticating an hierarchy of video receiving devices
- » 6,947,561, Method and apparatus for protecting copy control information provided to a video recording device
- » 6,931,129, Method and apparatus for generating pseudo random numbers in a video device having an embedded cipher unit
- » 6,920,221, Method and apparatus for protected exchange of status and secret values between a video source application and a video hardware interface
- » 6,832,319, Content guard system for copy protection of recordable media
- » 6,662,060, Method and apparatus for multimedia playback with title specific parameters
- » 6,542,610, Content protection for digital transmission systems
- » 6,477,252, Digital video content transmission ciphering and deciphering method and apparatus
- » 6,272,563, Method and apparatus for communicating routing and attribute information for a transaction between hubs in a computer system
- » 6,192,428, Method/apparatus for dynamically changing FIFO draining priority through asynchronous or isochronous DMA engines in response to packet type and predetermined high watermark being reached

- » 6,026,139, Method and apparatus for generating a frequency distribution representation using integrated counter-based instrumentation
- » 6,012,117, Methods and apparatus for arbitrating and controlling arbitration for access to a serial bus
- » 6,009,527, Computer system security
- » 5,949,877, Content protection for transmission systems
- » 5,329,623, Apparatus for providing cryptographic support in a network
- » 5,274,768, High-performance host interface for ATM networks

## Publications

- » C. Brendan S. Traw, Technical Challenges of Protecting Digital Entertainment Content, *IEEE Computer*, Vol. 36, No. 7, July 2003, pp 72-78.
- » Michael Ripley, C. Brendan S. Traw, Stephen Balogh, Michael Reed, Content Protection in the Digital Home, *Intel Technology Journal*, Vol. 6, No. 4, November 15, 2002.
- » C. Brendan S. Traw, Protecting Digital Content Within the Home, *IEEE Computer*, Vol. 34, No. 10, October 2001, pp. 42 - 47.
- » Jonathan M. Smith, Jeffrey D. Chung, and C. Brendan S. Traw, Interrupts, in *Encyclopedia of Electrical and Electronics Engineering*, ed. John Webster, Wiley, New York, NY (1999), pp. 667-673.
- » J.A. Bloom, I.J. Cox, T. Kalker, J-P.M.G. Linnartz, M.L. Miller, and C.B.S. Traw, Copy Protection for DVD Video, *Proceedings of the IEEE*, Vol. 87, No. 7, July 1999, pp. 1267-1276.
- » Jeffrey D. Chung, C. Brendan S. Traw, and Jonathan M. Smith. Event-Signaling within Higher Performance Network Subsystems. In *Proceedings, High Performance Communications Subsystems*, Mystic, CT, August 1995.
- » C. Brendan S. Traw and J. M. Smith, "Striping within the network subsystem," *IEEE Network*, pp. 22--32, July/August 1995.
- » D. Scott Alexander, C. Brendan S. Traw, and Jonathan M. Smith, Embedding High Speed ATM in UNIX IP, in *USENIX High-Speed Networking Symposium*, Oakland, CA (August 1-3, 1994), pp. 119-121.
- » C. Brendan S. Traw and Jonathan M. Smith, Hardware/Software Organization of a High-Performance ATM Host Interface, *IEEE Journal on Selected Areas in Communications (Special Issue on High Speed Computer/Network Interfaces)*, Vol. 11(2), pp. 240-253 (February 1993).
- » Bruce S. Davie, Jonathan M. Smith, and C. Brendan S. Traw, Host Interfaces for ATM Networks, in *High Performance Communications*, ed. Ahmed N. Tantawy, Kluwer Academic Publishers (1993).
- » Jonathan M. Smith and C. Brendan S. Traw, Giving Applications Access to Gb/s Networking, *IEEE Network*, Vol. 7(4), pp. 44-52, Special Issue: End-System Support for High-Speed Networks (Breaking Through the Network I/O Bottleneck) (July 1993).
- » J.T. van der Veen, C. Brendan S. Traw, Jonathan M. Smith, H.L Pasch, Performance Modeling of a High Performance ATM Link Adapter, in *Proceedings of the Second International Conference on Computer Communications and Networks*, San Diego, CA (June 1993).
- » Jonathan M. Smith, C. Brendan S. Traw, and David J. Farber, Cryptographic Support for a Gigabit Network, in *Proceedings, INET '92, Kobe, JAPAN* (June 15-18, 1992), pp. 229-237, (Inaugural Conference of the Internet Society).
- » C. Brendan S. Traw and Jonathan M. Smith, Implementation and Performance of an ATM Host Interface for Workstations, in *Proceedings, IEEE Workshop on*

the Architecture and Implementation of High-Performance Communications Subsystems (HPCS '92), Tucson, AZ (February 17-19, 1992).

- » C. Brendan S. Traw and Jonathan M. Smith, A High-Performance Host Interface for ATM Networks, in Proceedings, SIGCOMM 1991, Zurich, Switzerland (September 4-6, 1991), pp. 317-325.