



US005957697A

**United States Patent** [19]

[11] **Patent Number:** **5,957,697**

**Iggulden et al.**

[45] **Date of Patent:** **Sep. 28, 1999**

[54] **PRINTED BOOK AUGMENTED WITH AN ELECTRONIC VIRTUAL BOOK AND ASSOCIATED ELECTRONIC DATA**

[75] Inventors: **Jerry Iggulden**, Santa Clarita; **Christopher J. Husa**, La Cañada; **Ben Davidson**, North Hollywood, all of Calif.

[73] Assignee: **Ithaca Media Corporation**, La Canada, Calif.

[21] Appl. No.: **09/199,927**

[22] Filed: **Nov. 25, 1998**

**Related U.S. Application Data**

[63] Continuation-in-part of application No. 08/915,435, Aug. 20, 1997.

[51] **Int. Cl.**<sup>6</sup> ..... **G06F 17/30**

[52] **U.S. Cl.** ..... **434/317; 707/9; 345/350; 345/901**

[58] **Field of Search** ..... 434/307 R, 317; 707/500, 501, 513, 515, 530, 531, 9, 10, 104; 345/350, 901

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

4,855,725	8/1989	Fernandez	.....	345/173
4,966,285	10/1990	Otake et al.	.....	206/455
5,188,533	2/1993	Wood	.....	434/169
5,453,013	9/1995	Billings et al.	.....	434/169
5,569,868	10/1996	Leung	.....	84/600
5,597,307	1/1997	Redford et al.	.....	434/118
5,624,265	4/1997	Redford et al.	.....	434/307 R
5,832,472	11/1998	Sheppard, II	.....	707/1

**OTHER PUBLICATIONS**

“Action Products Int’l Introduces Educational Book/Software Products,” New Product Release @ <http://www.techmall.com/techdocs/NP970827-1.html>, two pages, Aug. 1997.

“Action Products Int’l to Introduce New Book Series This Spring,” Press Release @ <http://www.apii.com/ir/press/031497-2pr.html>, Mar. 1997.

“Action Products Int’l Unveils Its Growth Plan and New Products,” Press Release @ <http://www.apii.com/ir/press/052897pr.html>, May 1997.

Magdy F. Iskander et al., “Interactive Multimedia Lessons for Education,” SBMO/IEEE MTT-S IMOC ’95 Proceedings, pp. 693-700.

OmniMedia Digital Publishing, Our Approach to Electronic Book Publishing, <<http://www.awa.com/library/omnimedia/abouteb.html>>, date unknown.

G.J. Ritchie et al., “Text Referencing Within Computer-Based Tutorials”, IEE Colloquium on Human-Computer Interface Design for Multimedia Electronic Books, 1995, pp. 1-3.

B.C. Pobiak, “Adjustable Access Electronic Books”, Proceedings of the Johns Hopkins National Search for Computing Applications to Assist Persons with Disabilities, 1992, pp. 90-94.

Howard Falk, “E-books and e-zines”, The Electronic Library, vol. 13, No. 6, Dec. 1995, pp. 578-581.

Interfact™ product brochure and order form from World Book, Inc. and Two-Can Publishing Ltd., date unknown.

Web Gallery, a web page, by Prentice Hall ([www.prenhall.com](http://www.prenhall.com)), date unknown.

Interactive Course Series, a web page, by Waite Group Press, a division of Macmillan Computer Publishing ([www.waite.com](http://www.waite.com)), date unknown.

*Primary Examiner*—Paul V. Kulik

*Attorney, Agent, or Firm*—Blakely, Sokoloff, Taylor & Zafman LLP

[57] **ABSTRACT**

A system and method for augmenting a printed text with electronically stored data in the form of images, sounds and/or supplemental text. A printed book contains a plurality of pages of text. An electronic virtual book emulates the appearance of the printed book. The virtual book may only be accessed with a password that is contained in the printed book. The text of the book is augmented with information linked to the virtual book, including, for example, vocalization of the text of the book.

**20 Claims, 2 Drawing Sheets**

