

US006317783B1

### (12) **United States Patent** Freishtat et al.

# (10) Patent No.: US 6,317,783 B1 (45) Date of Patent: Nov. 13, 2001

### (54) APPARATUS AND METHODS FOR AUTOMATED AGGREGATION AND DELIVERY OF AND TRANSACTIONS INVOLVING ELECTRONIC PERSONAL INFORMATION OR DATA

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- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: 09/428,511
- (22) Filed: Oct. 27, 1999

### **Related U.S. Application Data**

- (60) Provisional application No. 60/105,917, filed on Oct. 28, 1998, and provisional application No. 60/134,395, filed on May 17, 1999.
- (51) Int. Cl.<sup>7</sup> ...... G06F 13/00
- (58) Field of Search ...... 707/10; 709/217, 709/218

### (56) References Cited

#### U.S. PATENT DOCUMENTS

5,347,632	9/1994	Filepp et al	709/202
5,537,314	7/1996	Kanter	. 705/14

(List continued on next page.)

#### OTHER PUBLICATIONS

"Strategic Directions in Database Systems—Breaking Out of the Box," Avi Silberschatz, and Stan Zdonik et al., ACM Computing Surveys, vol. 28, No. 4, pp. 764–778, Dec. (1996).

"Database Security and Privacy," Sushil Jajodia, ACM Computing Surveys, vol. 28, Issue 1 pp. 129–131, Mar. (1996).

"Managing Security and Privacy of information," Sushil Jajodia, ACM Computing Surveys, vol. 28 Issue 4es, Dec. (1996).

"Today's Style Sheet Standards: The Great Vision Blinded," Philip M. Marden, Jr. and Ethan V. Munson, IEEE Computer, pp. 123–125.

"Collapsible User Interfaces for Information Retrieval Agents," Martin Frank and Pedro Szekely, Proceedings of International Conference on Intelligent User Interfaces, Jan. 5–8, 1999, Redondo, CA, pp. 15–22.

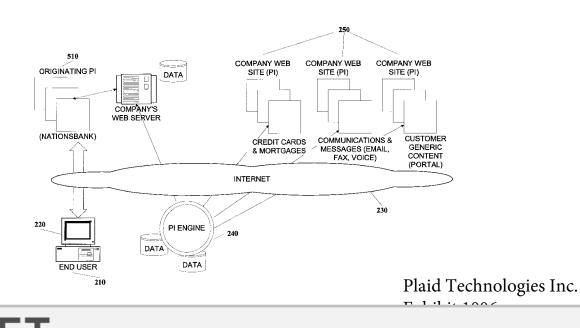
"A Softbot-based Interface to the Internet," Oren Etzioni and Daniel Weld, Communications of the ACM, vol. 37, No. 7, Jul., 1994, pp. 72–76.

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### (57) ABSTRACT

A system for delivering personal information according to the present invention includes a user store including end user data, a provider store including information provider data, a personal information store including personal information and a processor that communicates with these data stores. The processor selects an end user for personal information aggregation. The processor connects with one or more information providers. The processor then proceeds to retrieve personal information for the selected end user from the connected information providers. This retrieval is based on end user data associated with the selected end user and provider data associated with the connected information providers. The retrieved personal information is stored in the personal information store.

### 36 Claims, 11 Drawing Sheets



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### U.S. PATENT DOCUMENTS

5,655,089 5,696,965	8/1997 * 12/1997	Bucci 705/40 Dedrick
5,699,528	12/1997	Hogan 705/40
5,710,887	1/1998	Chelliah et al 705/26
5,712,979	1/1998	Graber et al 709/224
5,724,567	* 3/1998	Rose 707/2
5,825,884	10/1998	Zdepski et al 705/78
5,848,396	12/1998	Gerace 705/10
5,860,068	1/1999	Cook 705/26
5,862,325	* 1/1999	Reed et al 709/201
5,878,219	3/1999	Vance, Jr. et al 709/217
5,884,033	3/1999	Duvall et al 709/206
5,884,045	3/1999	Kurihara 709/237
5,893,091	4/1999	Hunt et al 707/3
5,894,554	4/1999	Lowery et al 709/203
5,895,468	4/1999	Whitmyer, Jr 707/10
5,897,622	4/1999	Blinn et al 705/26

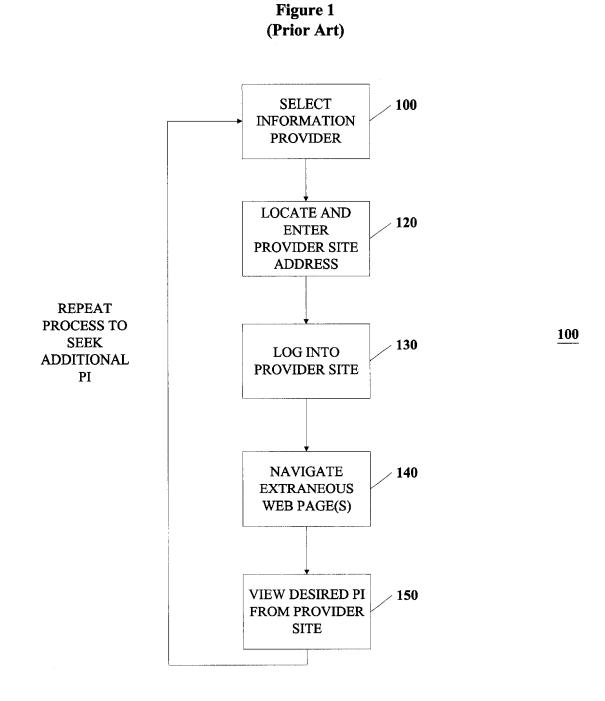
5,898,836	4/1999	Freivald et al 709/218
	,	
5,913,202	6/1999	Motoyama 705/35
5,918,214	6/1999	Perkowski 705/27
5,926,798	7/1999	Carter 705/26
5,956,709	9/1999	Xue 707/3
5,963,915	10/1999	Kirsch 705/26
5,978,766	11/1999	Luciw 705/1
5,978,779 *	11/1999	Stein et al 705/37
5,983,200	11/1999	Slotznick 705/26
5,983,227	11/1999	Nazem et al 707/10
5,987,440 *	11/1999	O'Neil et al 705/44
5,987,498	11/1999	Athing et al 709/203
5,991,735	11/1999	Gerace 705/10
5,991,756	11/1999	Wu 707/3
5,995,965 *	11/1999	Experton 707/10
5,999,975 *	12/1999	Kittaka et al 709/224
6,029,175	2/2000	Chow et al 707/104

\* cited by examiner

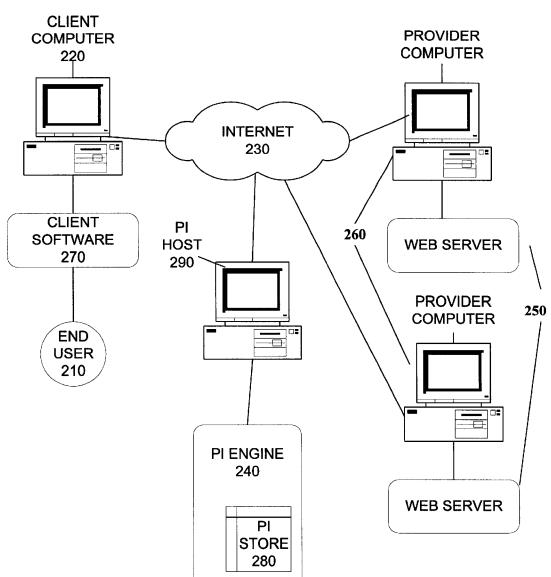
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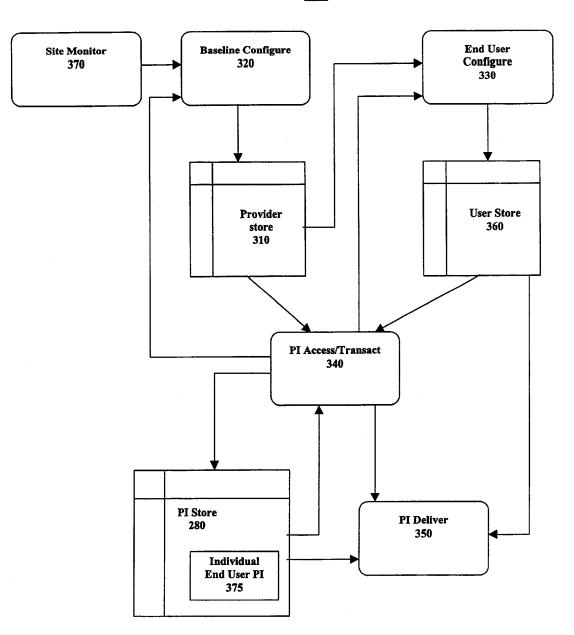


Figure 3 <u>240</u>

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