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**Frankland et al.**

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(54) **INTEGRATED CHANGE MANAGEMENT UNIT**

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(51) **Int. Cl.**  
**G06F 17/00** (2006.01)

(52) **U.S. Cl.** ..... **705/8; 707/102**

(58) **Field of Classification Search** ..... **705/7-11, 705/28-29; 707/102, 200, 202-203, 205; 588/1, 16; 700/266; 713/151-152; 719/328-329**  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,803,039 A	2/1989	Impink, Jr. et al. ....	376/216
5,185,699 A	2/1993	Reiner et al. ....	707/531
5,532,928 A	7/1996	Stanczyk et al. ....	705/7
5,611,076 A *	3/1997	Durflinger et al. ....	707/102
5,664,112 A	9/1997	Sturgeon et al. ....	705/28

5,712,990 A	1/1998	Henderson .....	705/28
5,726,884 A	3/1998	Sturgeon et al. ....	705/9
5,960,200 A *	9/1999	Eager et al. ....	717/147
5,965,858 A	10/1999	Suzuki et al. ....	235/375
6,023,698 A *	2/2000	Lavey et al. ....	707/10
6,067,549 A	5/2000	Smalley et al. ....	707/104
6,097,995 A	8/2000	Tipton et al. ....	700/266

(Continued)

**FOREIGN PATENT DOCUMENTS**

EP 874306 A2 \* 10/1998

**OTHER PUBLICATIONS**

Buzzard, "dBase and SQL Mixing Metaphors", Data Based Advisor, v8, n6, p. 94(7), Jun. 1990, ISSN: 0740-5200.\*

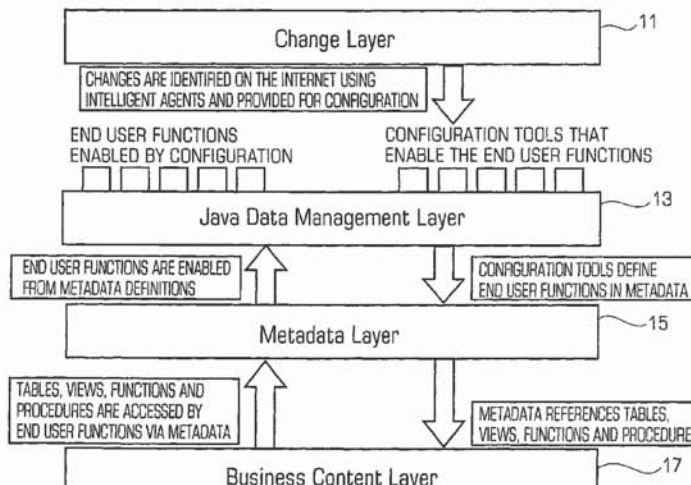
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(57) **ABSTRACT**

An integrated system for managing changes in regulatory and non-regulatory requirements for business activities at an industrial or commercial facility. Application of this system to environmental, health and safety activities, and to food, drug, cosmetic, and medical treatment and device activities, are discussed as examples. The system: provides one or more databases that contain information on operations and requirements concerning an activity or area of business; receives information on regulatory and non-regulatory changes that affect operations of the business; converts these changes into changes in data entry forms, data processing and analysis procedures, and presentation (by printing, electronic display and/or distribution) of data processing and analysis results to selected recipients, without requiring the services of one or more programmers to re-key and/or reformat the items affected by the change; and implements receipt of change information and dissemination of data processing and analysis results using the facilities of the Internet.

**59 Claims, 13 Drawing Sheets**



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U.S. PATENT DOCUMENTS			
		6,341,287 B1	1/2002 Sziklai et al. .... 707/102
		6,377,993 B1*	4/2002 Brandt et al. .... 709/227
6,122,622 A	9/2000	Wiitala et al. ....	705/28
6,163,732 A	12/2000	Petke et al. ....	700/106

\* cited by examiner

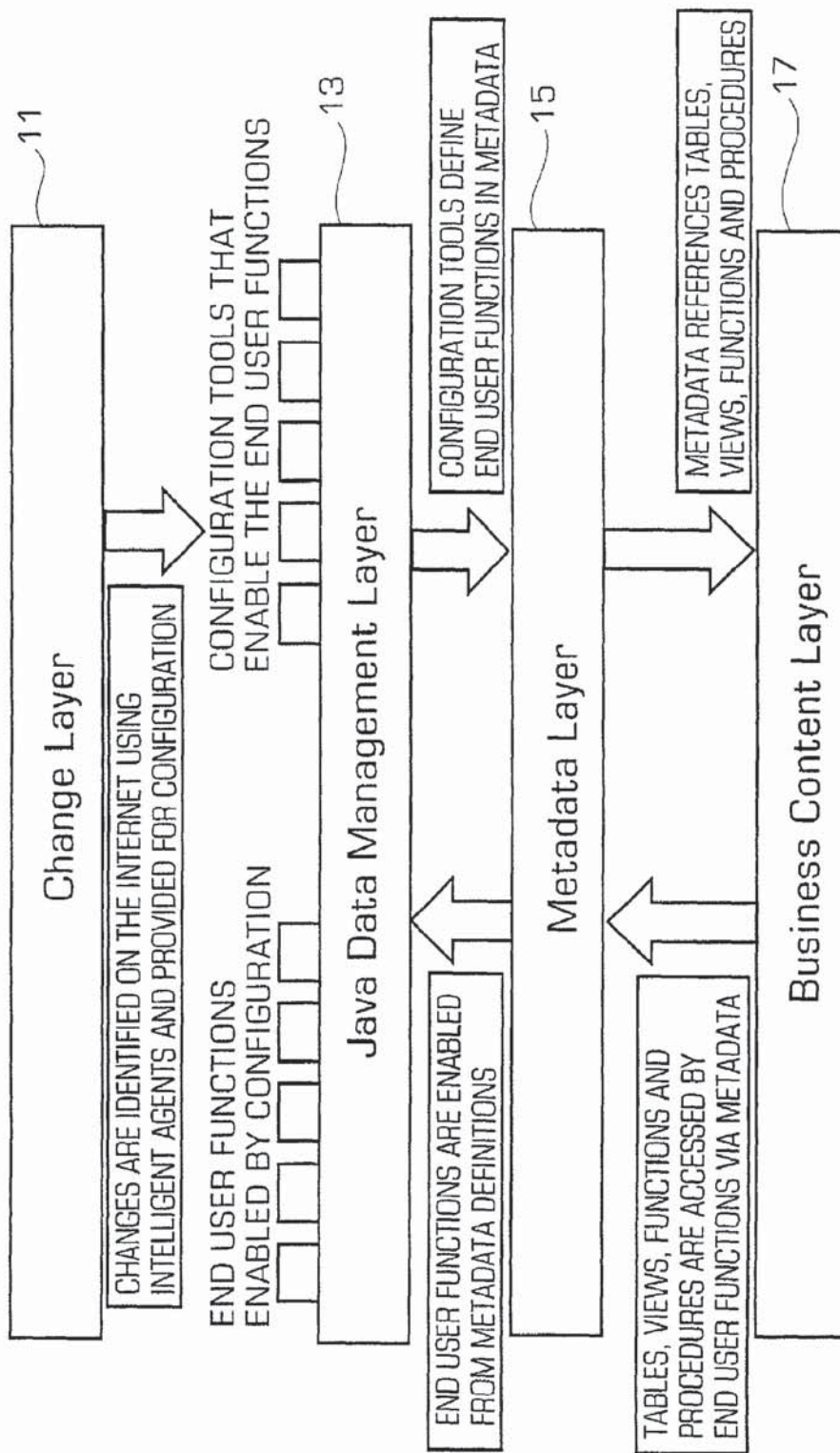


FIG. 1

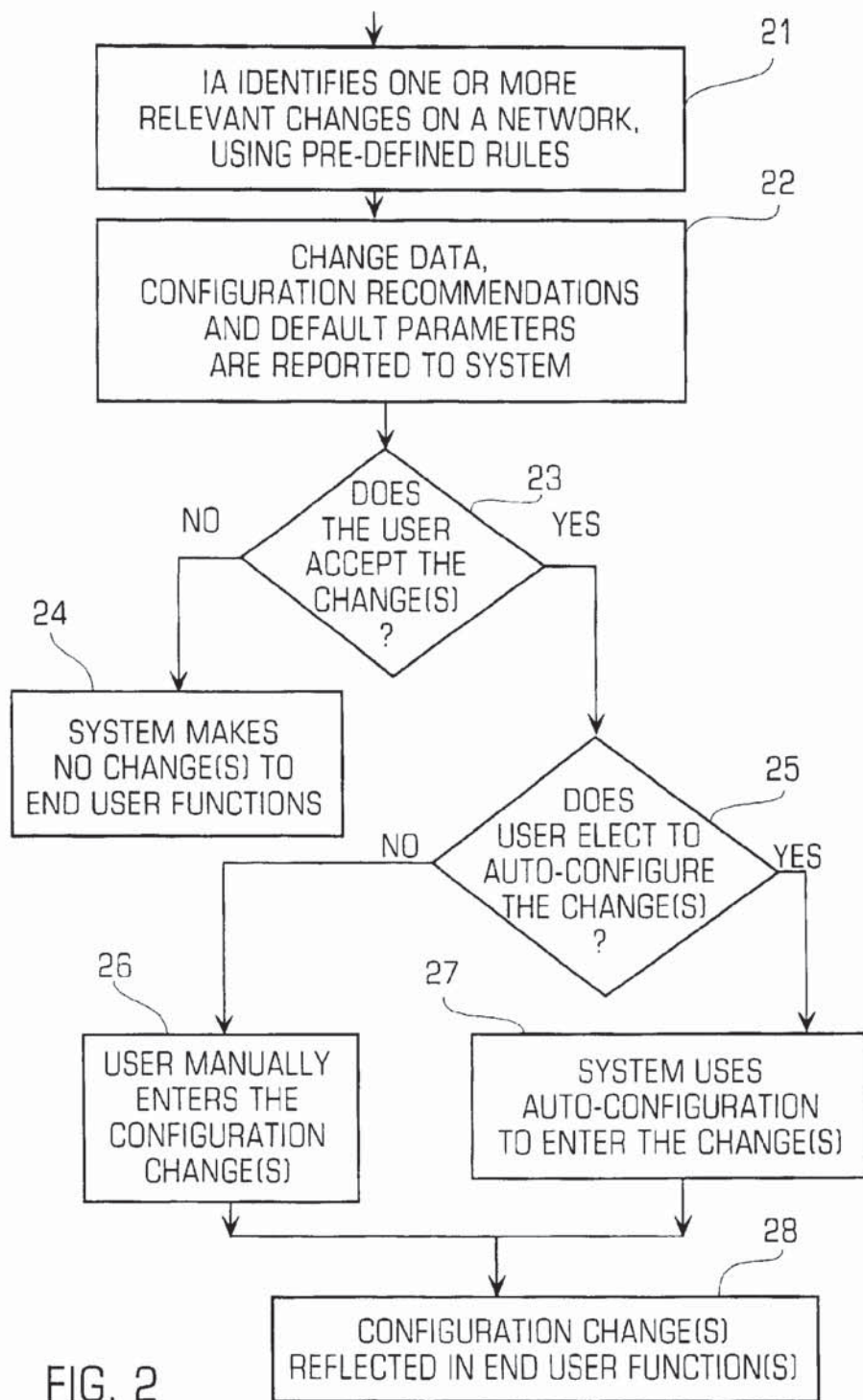


FIG. 2



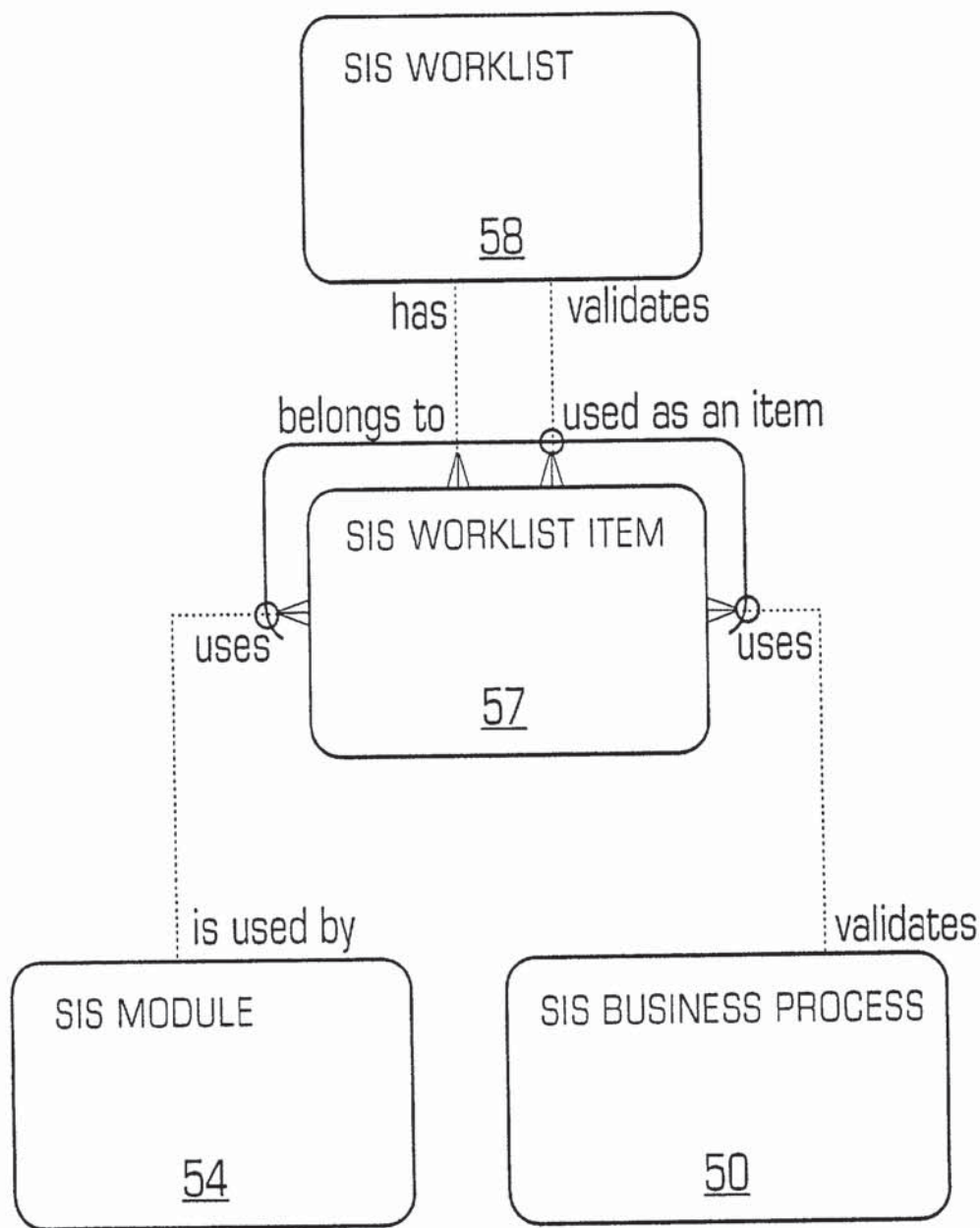


FIG. 3

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