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Harris

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(54) **AUTOMATIC CONFIGURATION OF MULTIPLE MONITOR SYSTEMS**

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This patent is subject to a terminal disclaimer.

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G06F 3/00 (2006.01)
G06F 3/048 (2006.01)

(52) **U.S. Cl.** **345/1.1**; 345/1.2; 345/1.3; 345/2.1; 345/2.2; 345/3.1; 345/3.2; 345/3.3; 345/3.4; 715/751; 715/752; 715/753; 715/754; 715/755; 715/756; 715/757; 715/758; 715/759; 715/761; 715/778

(58) **Field of Classification Search** 345/1.1, 345/1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 3.3, 3.4; 715/751, 715/752, 753, 754, 755, 756, 757, 758, 759, 715/761, 778
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,566,004	A	1/1986	Emerson
4,933,885	A	6/1990	Kato et al.
5,179,648	A	1/1993	Hauck
5,283,856	A	2/1994	Gross et al.
5,307,055	A	4/1994	Baskin et al.
5,315,697	A	5/1994	Nagamatsu
5,481,735	A	1/1996	Mortensen et al.
5,530,865	A	6/1996	Owens et al.
5,682,486	A	10/1997	Grossman et al.
5,682,529	A	10/1997	Hendry et al.
5,694,141	A	12/1997	Chee
5,694,150	A	12/1997	Sigona et al.
5,727,155	A	3/1998	Dawson
5,745,109	A	4/1998	Nakano et al.
5,757,371	A	5/1998	Oran et al.
5,760,776	A	6/1998	McGurrin et al.
5,796,397	A	8/1998	Kusano
5,835,090	A	11/1998	Clark et al.
5,889,517	A	3/1999	Ueda et al.
5,923,307	A	7/1999	Hogle
5,987,345	A	11/1999	Engelmann et al.
5,995,085	A	11/1999	Bowen
5,999,177	A	12/1999	Martinez
6,002,395	A	12/1999	Wagner et al.
6,006,225	A	12/1999	Bowman et al.
6,018,340	A	1/2000	Butler et al.
6,043,817	A	3/2000	Bolnick

(Continued)

FOREIGN PATENT DOCUMENTS

JP	0822436	A	1/1996

OTHER PUBLICATIONS

Wikipedia.org, "VMU", Printed 2008.

(Continued)

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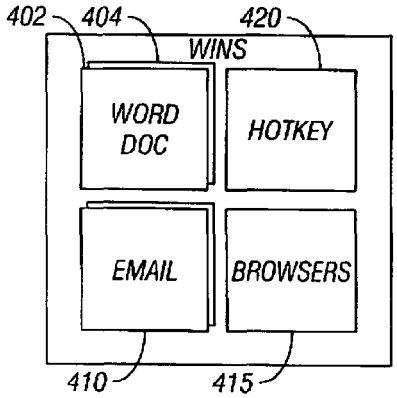
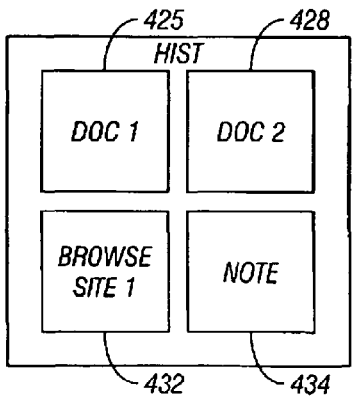
(57) **ABSTRACT**

Control of multiple display screens associated with a computer, wherein the auxiliary screen display content that depends on conditions of the computer. During some times the auxiliary screen displays content associated with the presently executing program, and during other times the auxiliary screen displays history information. The rules can be automatically changed or manually changed.

18 Claims, 5 Drawing Sheets