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Showers et al.

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(54)	ATTRIBUTE PRIORITIZED
	CONFIGURATION USING A COMBINED
	CONFIGURATION-ATTRIBUTE DATA
	MODEL

(75)	Inventors:	Brian K. Showers, Cedar Park, TX
		(US); Brandon M. Beck, Austin, TX
		(US); Nathan E. Little, Austin, TX (US

(73) Assignee: Versata Development Group, Inc.,

Austin, TX (US)

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(56) References Cited

U.S. PATENT DOCUMENTS

5,825,651 A 6,002,854 A 6,405,308 B1 6,549,908 B1* 6,675,294 B1	1/1998 10/1998 12/1999 6/2002 4/2003 1/2004	Lynch et al. Lynch et al. Gupta et al. Lynch et al. Gupta et al. Loomans	
6,725,257 B1 *		Cansler et al 709/219	

6,810,406	B2 *	10/2004	Schlabach et al 707/201
6,871,198	B2 *	3/2005	Neal et al 1/1
7,043,407	B2	5/2006	Lynch et al.
7,043,464	B2 *	5/2006	Abrahams 706/14
7,127,313	B2 *	10/2006	Neri 700/103
7,140,013	B2 *	11/2006	Te'eni et al 717/173
7,200,582	В1	4/2007	Smith
7,200,583	B1*	4/2007	Shah et al 706/47
7,216,092	B1*	5/2007	Weber et al 705/26
7,552,102	B2 *	6/2009	Huelsman et al 706/47
2004/0122807	A1*	6/2004	Hamilton et al 707/3
2005/0144090	A1*	6/2005	Gadamsetty et al 705/26
2006/0111878	A1*	5/2006	Pendyala et al 703/1
2007/0233730	A1*	10/2007	Johnston 707/104.1

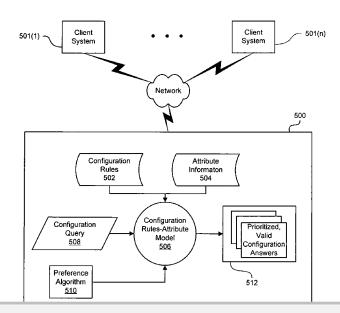
^{*} cited by examiner

Primary Examiner — Sherief Badawi
Assistant Examiner — Christopher J Raab
(74) Attorney, Agent, or Firm — Terrile, Cannatti, Chambers
& Holland, LLP; Kent B. Chambers

(57) ABSTRACT

A combined configuration rules-attribute configuration system uses an integrated configuration model to efficiently identify and attribute prioritize valid configuration answers. Submitting an attribute-based configuration query to the combined configuration rules-attribute configuration system allows the query to be answered in a single step. The combined configuration rules and attribute data guide product configuration processing and minimize configuration processing by, for example, calculating only the valid configuration answers that are candidates for the preferred valid answer(s). Thus, the combined configuration rules-attribute configuration answers to be considered for presentation to a client system or other user of the combined configuration rules-attribute configuration system.

20 Claims, 9 Drawing Sheets





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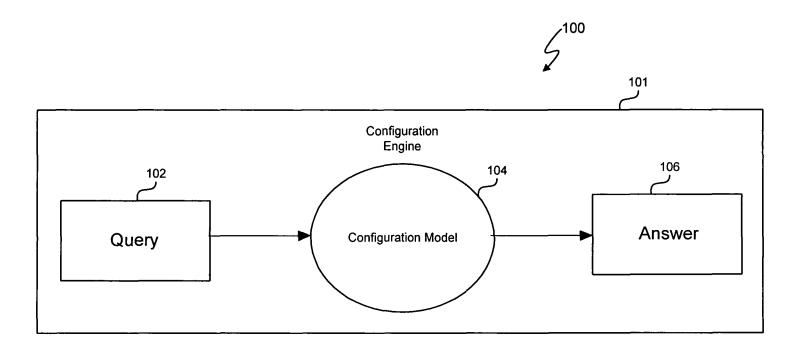


Figure 1 (prior art)

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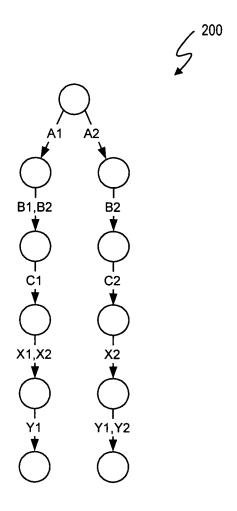


Figure 2 (prior art)



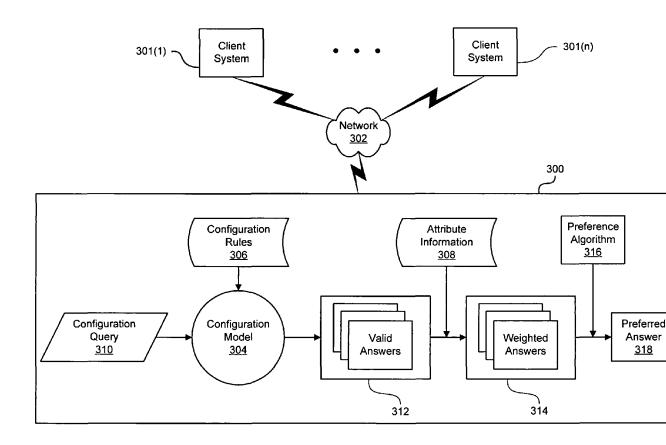


Figure 3 (prior art)



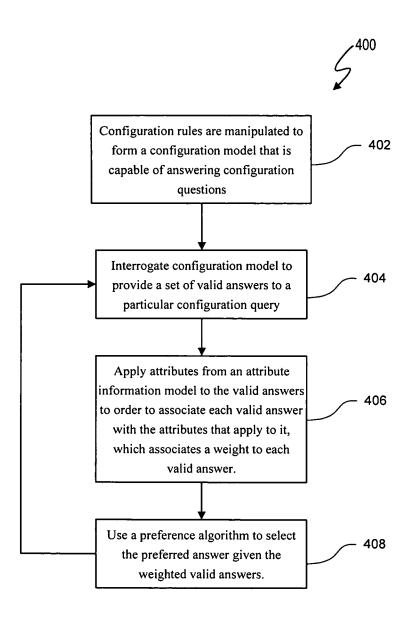


Figure 4 (prior art)



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