

364	468.05	Subclass
Class	ISSUE CLASSIFICATION	

5825651
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UTILITY SERIAL NUMBER 08/707187	PATENT DATE OCT 20 1998	PATENT NUMBER
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SERIAL NUMBER 08/707,187	FILING DATE 09/03/96	CLASS 364	SUBCLASS 468.05	GROUP ART UNIT 2787	EXAMINER LAO
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APPLICANTS: NEERAJ GUPTA, AUSTIN, TX; VENKY VEERARAGHAVAN, AUSTIN, TX; AJAY AGARWAL, AUSTIN, TX.

CONTINUING DATA***
VERIFIED
none Kull

FOREIGN/PCT APPLICATIONS***
VERIFIED
none Kull

FOREIGN FILING LICENSE GRANTED 11/30/96

Foreign priority claimed 35 USC 119 conditions met	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	AS FILED	STATE OR COUNTRY	SHEETS DRWGS.	TOTAL CLAIMS	INDEP. CLAIMS	FILING FEE RECEIVED	ATTORNEY'S DOCKET NO.
Verified and Acknowledged	Examiner's initials Kull	→	TX	24	59	5	\$1,894.00	85160.915

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TITLE: METHOD AND APPARATUS FOR MAINTAINING AND CONFIGURING SYSTEMS

U.S. DEPT. OF COMM./ PAT. & TM - PTO-436L (Rev.12-94)

PARTS OF APPLICATION FILED SEPARATELY		Application Examiner <i>Kevin A. Kriess</i>	
NOTICE OF ALLOWANCE MAILED	Assistant Examiner	CLAIMS ALLOWED	
5-22-98		Total Claims 85	Print Claim 1
ISSUE FEE	Primary Examiner KEVIN A. KRIESS Primary Examiner	DRAWING	
Amount Due 1320.00		Sheets Drwg. 24	Figs. Drwg. 24
Date Paid 1-10-98	PREPARED FOR ISSUE	Print Fig. 6	ISSUE BATCH NUMBER E36
Label Area	WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.		

Form PTO-436A (Rev. 8-12)

ISSUE FEE IN FILE

08/707187

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PATENT APPLICATION

INITIALS 001109634



08707187

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Date Entered or Counted

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2.	CR RE: Dec	10-18
3.	Declaration Search	11-4-96
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5.	ISS	4/17/98
5-15-98 6.	Prog. for Ext. of time (1) / Cont. A	5-11-98. (of 5-6-98)
5-21-98 7.	NOTICE OF ALLOW	5-22-98
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9.	PTO GRANT OCT 20 1998	
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PATENT NUMBER		ORIGINAL CLASSIFICATION	
		CLASS	SUBCLASS
		364	468.09
APPLICATION/SERIAL NUMBER		CROSS REFERENCE(S)	
08/707 187			
APPLICANT'S NAME (PLEASE PRINT)		CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)
GUPTA et al.		364	468
IF REISSUE, ORIGINAL PATENT NUMBER			
INTERNATIONAL CLASSIFICATION			
G06F		01/00	
GROUP ART UNIT	ASSISTANT EXAMINER (PLEASE STAMP OR PRINT FULL NAME)		
2787	KEVIN A. KRIESS		
		PRIMARY EXAMINER (PLEASE STAMP OR PRINT FULL NAME)	
		KEVIN A. KRIESS	

PTO 270 (REV. 5-91) ISSUE CLASSIFICATION SLIP DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INDEX OF CLAIMS

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SYMBOLS
 ✓ Rejected
 = Allowed
 - (Through numeral) Canceled
 + Restricted
 N Non-elected
 I Interference
 A Appeal
 O Objected

SEARCHED			
Class	Sub.	Date	Exmr.
364	468.09 468.02 468.03 468.1 488	12-4-97	164k
update		5-20-98	164k
395	651	5-20-98	164k

SEARCH NOTES		
	Date	Exmr.
App Text	12-4-97	164k

INTERFERENCE SEARCHED			
Class	Sub.	Date	Exmr.
364	468.09 468.02 468.03 468.1 488	5-20-98	164k
395	651	5-20-98	164k



US005825651A

United States Patent [19] Gupta et al.

[11] **Patent Number:** 5,825,651
[45] **Date of Patent:** Oct. 20, 1998

[54] **METHOD AND APPARATUS FOR MAINTAINING AND CONFIGURING SYSTEMS**

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[75] Inventors: **Neeraj Gupta; Venky Veeraraghavan; Ajay Agarwal**, all of Austin, Tex.

Primary Examiner—Kevin A. Kriess
Attorney, Agent, or Firm—Hecker & Harriman

[73] Assignee: **Trilogy Development Group, Inc.**, Austin, Tex.

[57] ABSTRACT

[21] Appl. No.: **707,187**

The invention provides the ability to interactively select and configure a product among a set of related products based on availability and compatibility of features and options. It does not impose an order in the selection of products, features or options; only valid selections can be made at any time. To create an electronic representation of the product information to achieve the above goal, the invention provides a framework for defining a systems by defining the components of the system using elements contained in a parts catalog and defining relationships between the components of a system. A configuration system validates a configuration using the system definition, the current state of the configuration and user input.

[22] Filed: **Sep. 3, 1996**

[51] **Int. Cl.**⁶ **G06F 1/00**

[52] **U.S. Cl.** **364/468.09; 364/488**

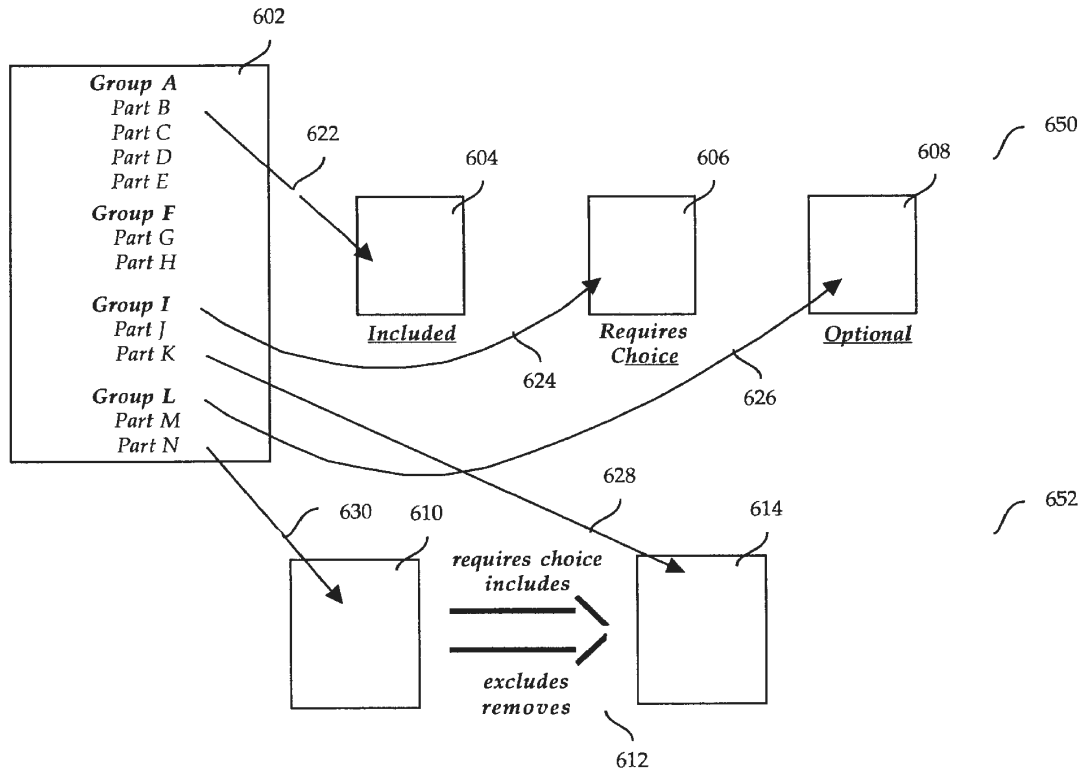
[58] **Field of Search** 364/468.09, 468.02, 364/468.03, 468.1, 488; 395/651

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85 Claims, 24 Drawing Sheets



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