

### US005758313A

## United States Patent [19]

### Shah et al.

4.954.959

5,003,317

### [11] Patent Number:

5,758,313

[45] Date of Patent:

May 26, 1998

[54]		AND APPARATUS FOR NG VEHICLE LOCATION	5,155,689	10/1992	Beckwith, Jr. et al. 395/101   Wortham 364/460   Stanifer et al. 364/452
[75]	Inventors:	Mukesh Chamanlal Shah, Lake Oswego, Oreg.; Sanjiv Prabhakaran, San Jose, Calif.	5,334,974 5,428,546	8/1994 6/1995	Martin et al. 364/444   Simms et al. 340/990   Shah et al. 364/449   Saylor et al. 395/135
[73]	Assignee:	Mobile Information Systems, Inc.,	5,604,676	2/1997	Penzias

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Primary Examiner—Michael Zanelli Attorney, Agent, or Firm—Townsend and Townsend and Crew LLP; Richard T. Ogawa

#### 57] ABSTRACT

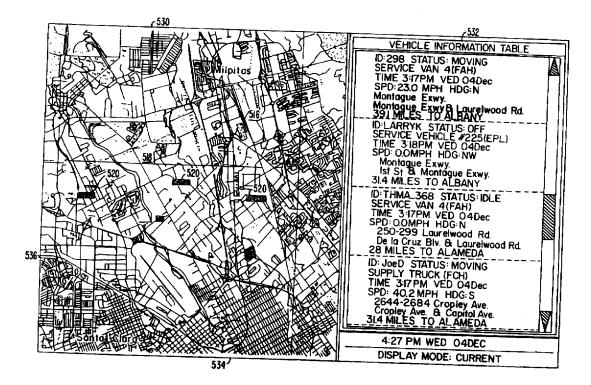
A method computer aided dispatching. The present method includes providing a display 510 having a first display segment 530. The first display segment 530 includes a digitized representation of a selected area from a raster map, intelligent area data superimposed upon the selected area to provide intelligence, and a user locatable mark 520. The user locatable mark 520 defines a mobile unit position based upon a first value and a second value. The present method also includes using a dispatch system 811 operably coupled to the display. The dispatch system 811 includes order data from customers. A portion of the order data is transferred from a data acquisition 801, 808 device to the mobile unit 610.

## 160 Claims, 10 Drawing Sheets

[54]							
	TRACKI	IG VEHI	CLE LOCATION				
[75]	Inventors:		Chamanial Shah, Lake Oreg.; Sanjiv Prabhakaran, Calif.				
[73]	Assignee:	Mobile I Sunnyval	nformation Systems, Inc., e. Calif.				
[21]	Appl. No.: 443,063						
[22]	Filed: May 17, 1995						
	(Under 37 CFR 1.47)						
Related U.S. Application Data							
[63]	[63] Continuation-in-part of Ser. No. 961,736, Oct. 16, 1992, Pat. No. 5,428,546.						
[51]	Int. Cl.6.		<b>G06F 165/00</b> ; G01C 21/00				
[52]	U.S. Cl 701/208; 340/990; 395/230						
[58]	Field of Search 364/449, 460,						
364/400, 401 R, 449.7, 449.2; 340/990,							
995, 991; 342/357, 457; 395/153, 600,							
			234, 230, 226				
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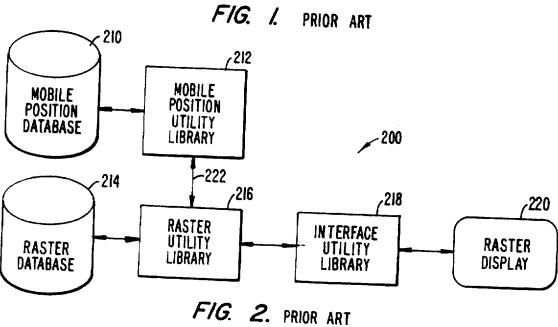
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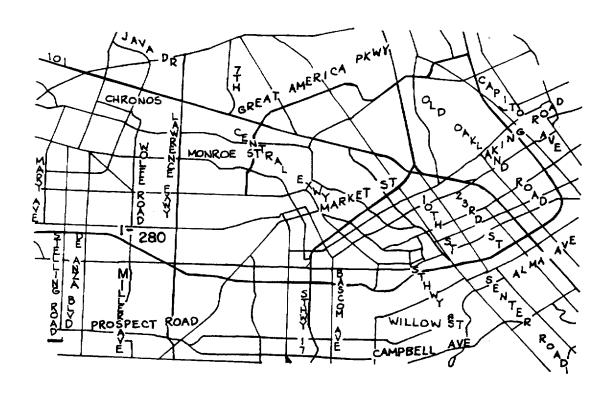


FIG. 3. PRIOR ART

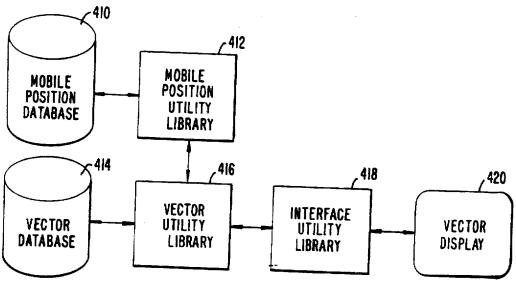
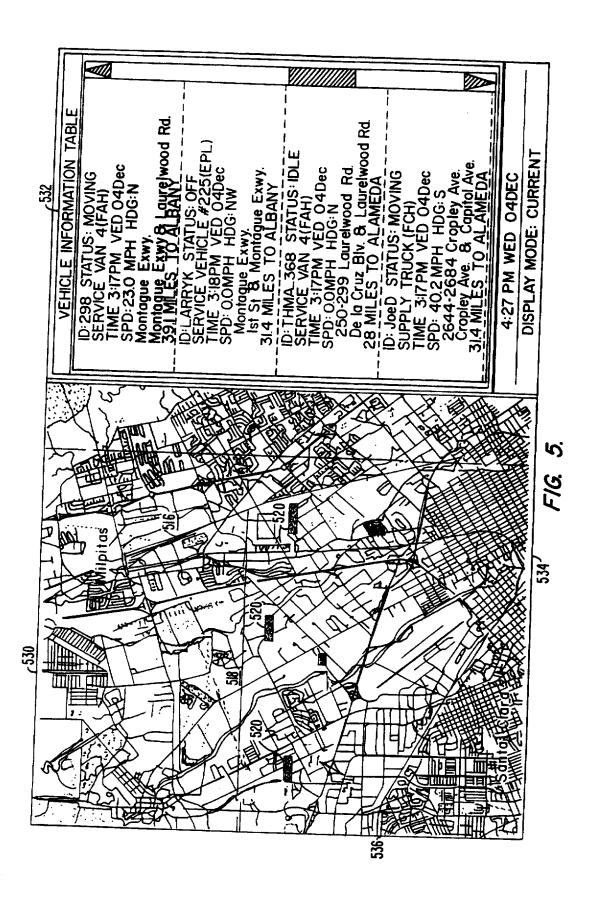
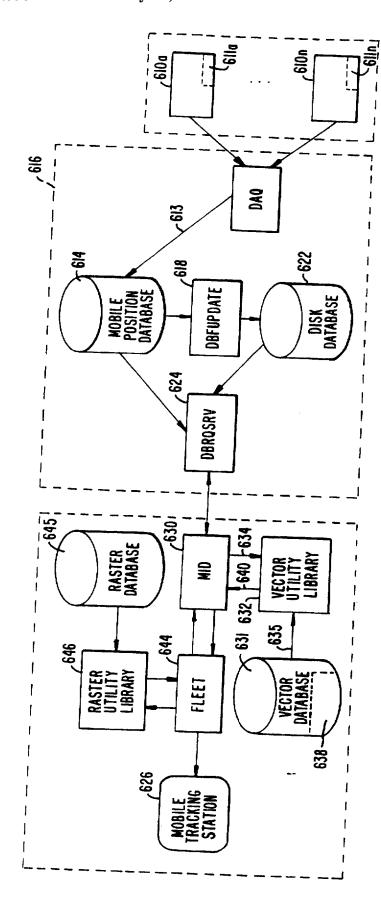


FIG. 4. PRIOR ART

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