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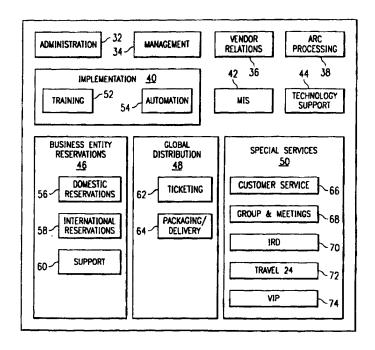
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#### (54) Title: AUTOMATED TRAVEL SERVICE MANAGEMENT INFORMATION SYSTEM

#### (57) Abstract

A method (1000) of automatically managing travel service information is provided. The method generates a business entity profile and individual profile for customer (1004, 1006), and stores the information in a relational database. Customer reservation services information retrieved from all available sources is also stored in the same database (1010). Consequently, the customer reservation services information and the profile information is made available, simultaneously, for use by an agent in processing a customer's travel request (1013).





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## AUTOMATED TRAVEL SERVICE MANAGEMENT INFORMATION SYSTEM

## TECHNICAL FIELD OF THE INVENTION

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This invention relates generally to the field of customer reservation services, and more particularly, to an automated travel service management information system and method of operation.

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#### BACKGROUND OF THE INVENTION

Travel agencies train and employ agents to coordinate customers' travel plans with travel-related services supplied by airlines, hotels, auto rental agencies, etc. Typically, in order to determine the availability of these services and make reservations, travel agents may access (via a remote workstation) one of a number of proprietary travel reservation systems. For example, in order to determine the availability of seating on a specific airline flight, an agent may access the SABRE System, which is a computer reservation system (CRS) developed and marketed by American Airlines. Other computer reservation systems are also available, such as Worldspan® owned by Pars Marketing Partnership, Apollo® owned by Galileo International Partnership, and System One® owned by Amadeus Global Travel Distribution.

Although a number of proprietary computer reservation systems are available, from a travel agency's viewpoint, these systems are inefficient and not cost effective to use. For example, work-related travel arrangements may be (and usually are) subject to certain restrictions imposed by a customer's employer. Employers often limit airline travel expenditures to tourist class or business class rates. Also, employers often negotiate discounted rates for their employees, such as hotel or automobile rental rates, and then limit travel expenditures to those discounted rates. Although existing proprietary computer reservation systems may maintain such employer-imposed restriction information, in order to obtain that type of information from a particular system, an agent needs to know that system's unique information codes. However, most agents are typically trained to access and use only one or two proprietary computer reservation systems, because crosstraining agents to use all of the unique systems would be extremely costly for the agency.

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Furthermore, although a number of proprietary computer reservation systems are available for use by agencies, these systems are not integrated to provide all of the available services at one time. Consequently, if an agent desires to make a complete set of travel arrangements for a customer, the agent has to access a system multiple times. For example, in order to arrange for a customer's airline travel, automobile rental, and hotel accommodations, a travel agent typically accesses the proprietary system to reserve airline seating and obtain prices and tickets, then again using different commands to obtain prices and reserve a rental car, and a third time to obtain prices and reserve a hotel room. Since an agent's productivity decreases with increases in request processing time, the present sequential method of processing travel requests is highly inefficient. inefficiencies result in increased operational costs and reduced profitability for the agency. Additionally, the agent cross-training required for three proprietary systems, significantly increases the agency's costs.

Presently, in order to minimize operational costs, travel agencies typically assign specific agents to process travel requests made by specific customers and business organizations, and for specific travel-related functions. However, these specialized uses of agents are neither very efficient nor cost-effective. For example, one agent's corporate customer may request travel arrangements for several employees, while at the same time, one or more of the other agents in the office may be idle.

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