



United States Patent [19]

[11] **Patent Number:** **6,154,745**

Kari et al.

[45] **Date of Patent:** ***Nov. 28, 2000**

[54] **METHOD FOR TRANSMISSION OF INFORMATION TO THE USER**
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 5,848,373 12/1998 DeLorme et al. 701/200
 5,956,716 9/1999 Kenner et al. 707/10

[75] Inventors: **Janne Kari**, Helsinki; **Heikki Rautila**, Espoo, both of Finland

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[73] Assignee: **Nokia Mobile Phones Ltd.**, Espoo, Finland

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[*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Primary Examiner—Ruay Lian Ho
Attorney, Agent, or Firm—Perman & Green, LLP

[21] Appl. No.: **08/996,578**

[57] ABSTRACT

[22] Filed: **Dec. 23, 1997**

Method for transmission of information to the user, in which a search terminal (1) is used for sending an information query, which is received and processed. Further in the method, information is searched for, and the retrieved information is transmitted to the search terminal (1). The information is received and displayed to the user by the search terminal (1). A system for transmitting information to a user comprises a search terminal (1) for sending an information query, means (3, 4, 4', 4'') for receiving and processing of the information query, means (3, 4, 4', 4') for retrieving information, means (2) for transmitting the information to the search terminal (1), and means (1) for receiving the information and presenting it to the user on the search terminal (1). The information retrieval is arranged to be conducted at least partly on the basis of the location and/or travel route of the user.

[30] Foreign Application Priority Data

Dec. 31, 1996 [FI] Finland 965278

[51] **Int. Cl.**⁷ **G06F 17/30**

[52] **U.S. Cl.** **707/100; 707/10**

[58] **Field of Search** 707/1-10, 100-104, 707/200-206; 701/200, 208, 212; 705/14, 10, 26, 32; 709/219

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U.S. PATENT DOCUMENTS

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20 Claims, 11 Drawing Sheets

International Service, Inc.

Fill'er up query form

Resolved parameters

Name	George McLaren	
Level	Normal	
Age	45	
Sex	m	
Cellular phone number	+358-50-123123	
Class	Business	801
Car	BMW	MB
Gas type	99	
Other info, search words	service, cafe	service, cafe, fast food, pizza

Locate nearest:

Fill'er up no service station

Fill'er up 24H service station

Fill'er up 24H service station with cafe

Fill'er up Five Star Station

Fill'er up Super Service Market

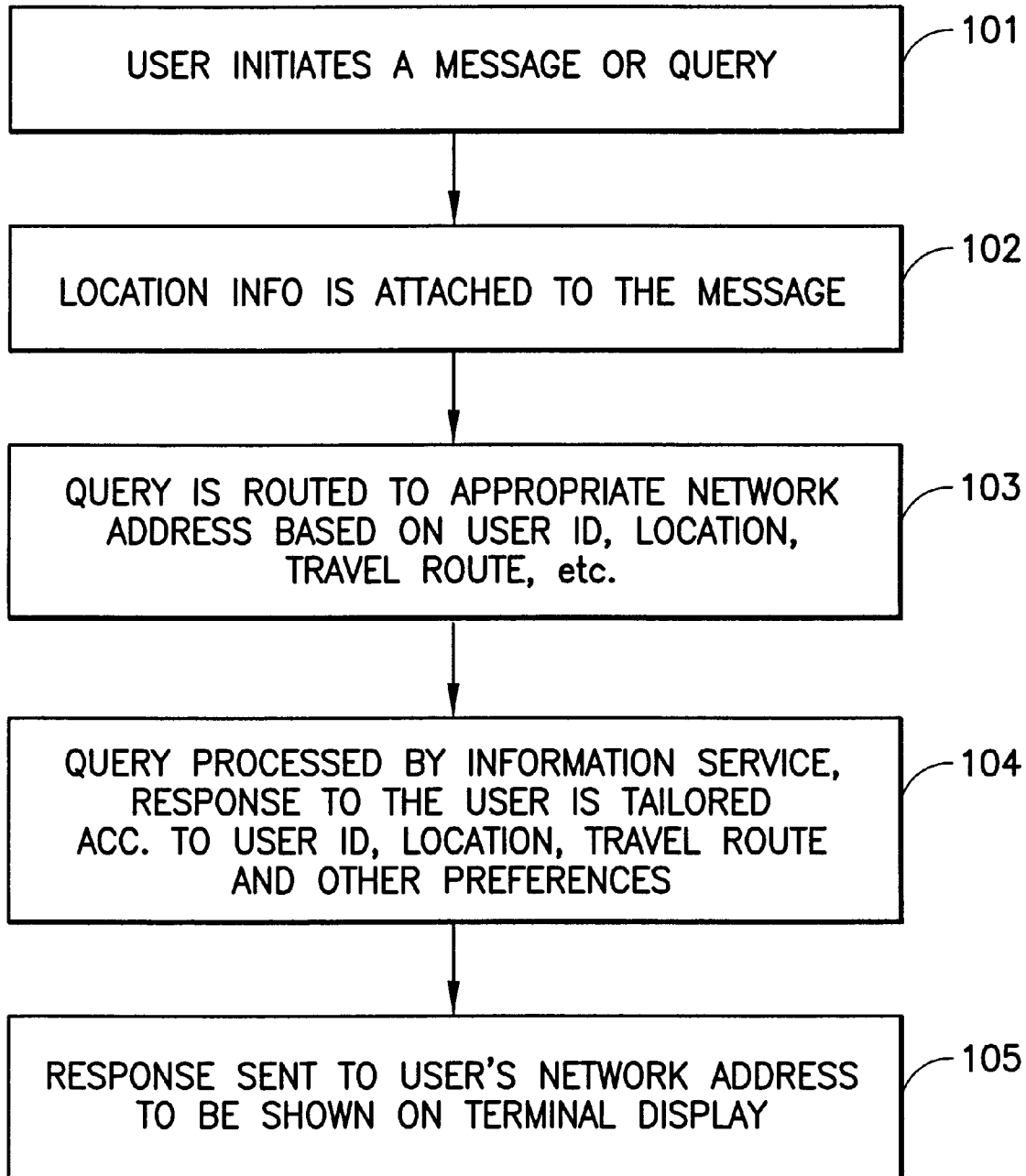


FIG. 1

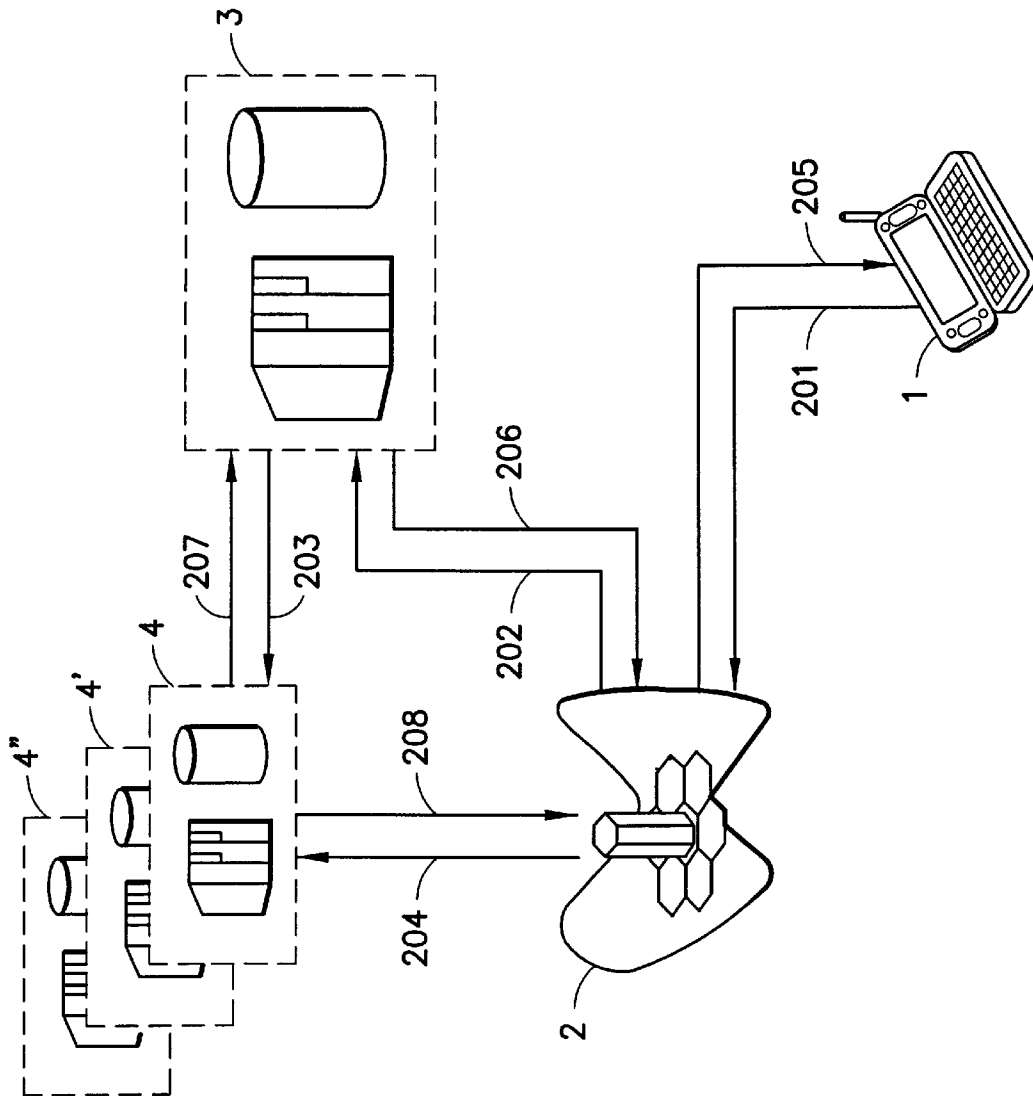


FIG.2

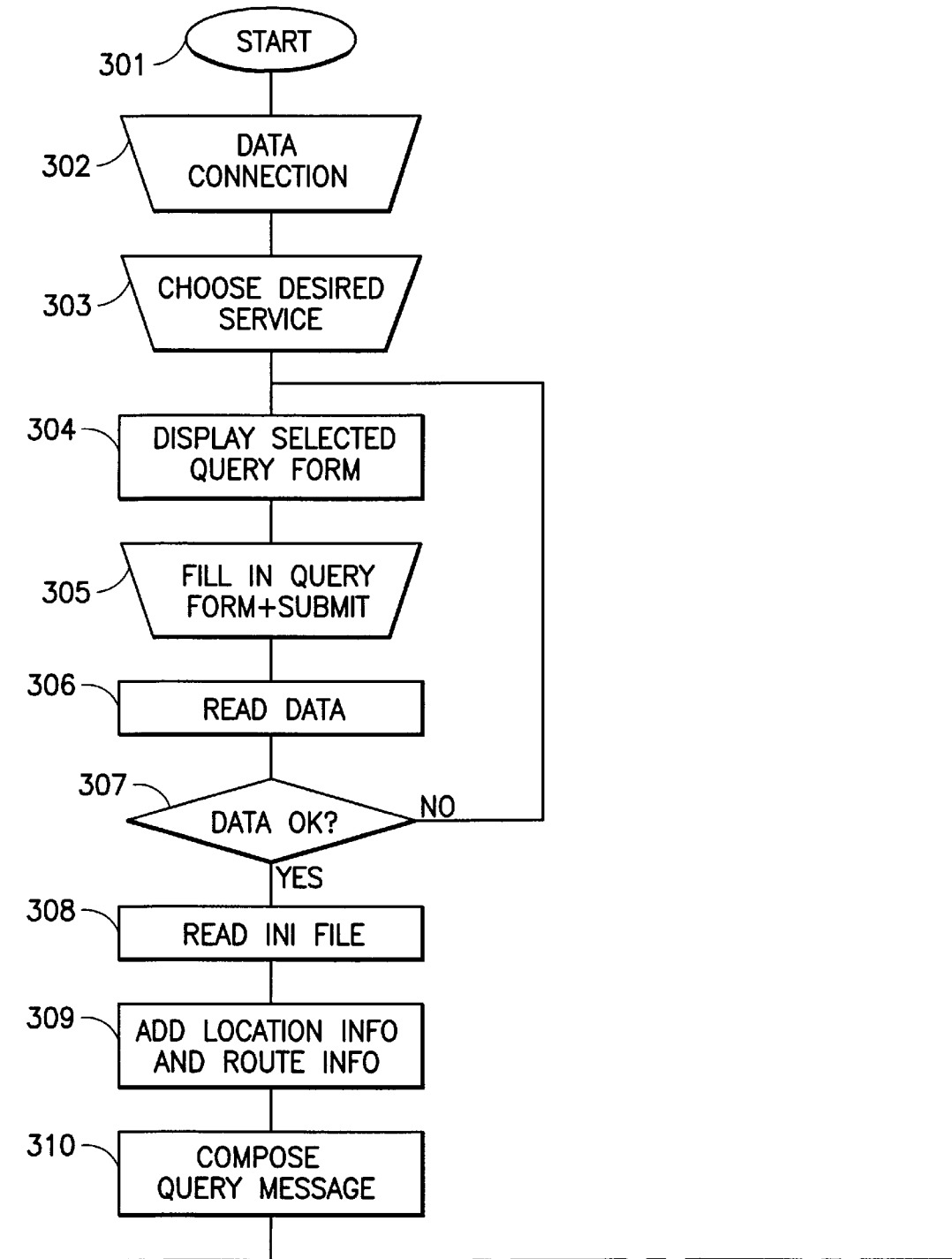


FIG.3A
FIG.3B

FIG.3A

FIG.3

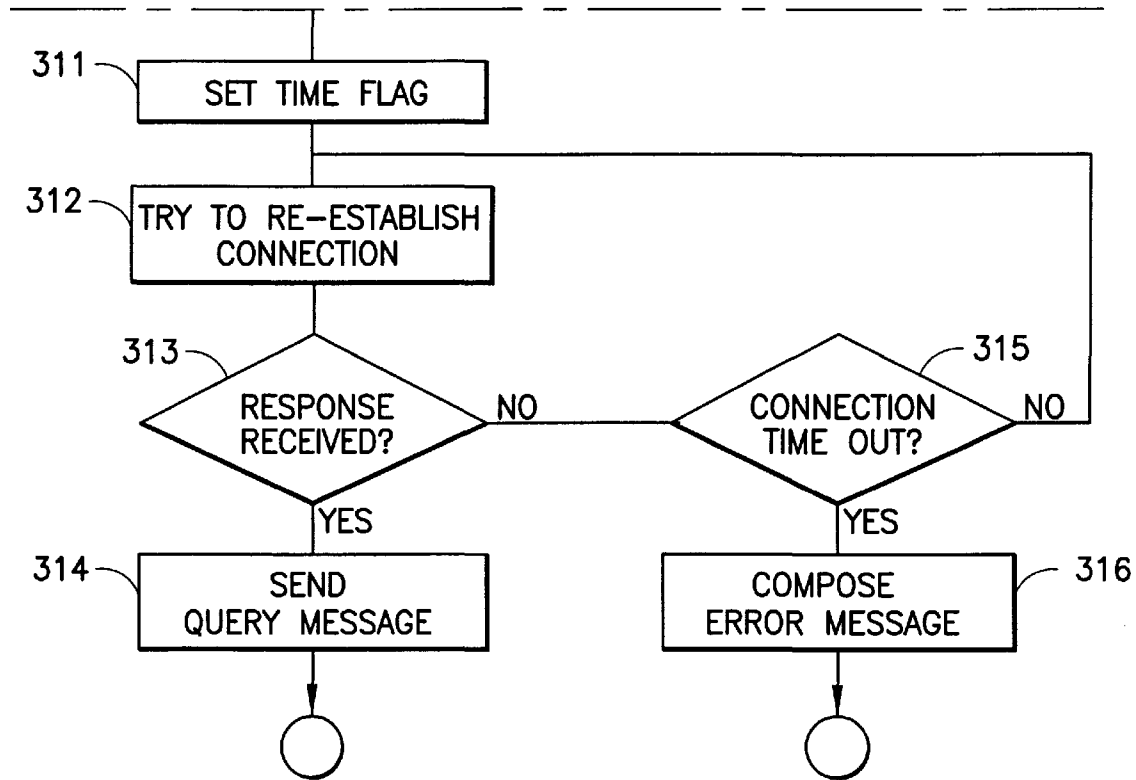


FIG.3B

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