US005991739A

United States Patent [19]

Cupps et al.

[11] Patent Number: 5,991,739

[45] Date of Patent: Nov. 23, 1999

[54] **INTERNET ONLINE ORDER METHOD AND APPARATUS**

[75] Inventors: **Bryan Cupps**, Bothell, Wash.; **Tim Glass**, Aptos, Calif.

[73] Assignee: **FOOD.COM**, San Francisco, Calif.

[21] Appl. No.: **08/976,793**

[22] Filed: **Nov. 24, 1997**

[51] **Int. Cl.**^{6} **G06F 17/60**

[52] **U.S. Cl.** **705/26**; 705/26; 705/37; 705/27

[58] **Field of Search** 705/26; 340/994; 379/201

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,530,067	7/1985	Dorr	364/900
4,569,421	2/1986	Sandstedt	186/39
4,797,818	1/1989	Cotter	364/401
4,882,475	11/1989	Miller et al.	235/383
4,971,406	11/1990	Hanson	340/711
5,444,444	8/1995	Ross	340/994
5,533,107	7/1996	Irwin et al.	379/201
5,559,707	9/1996	DeLorme et al.	364/443
5,648,770	7/1997	Ross	340/994
5,655,008	8/1997	Futch et al.	379/91.01

Primary Examiner—Kevin J. Teska
Assistant Examiner—Mark J. Fink
Attorney, Agent, or Firm—Flehr Hohbach Test Albritton & Herbert; Steven F. Caserza

[57] **ABSTRACT**

A system and method for providing an online ordering machine that manages the distribution of home delivered products over a distributed computer system is herein disclosed. The distributed computer system includes a group of customers connected to client computers and at least one server computer system that executes the online ordering machine. The online ordering machine provides the customers with product information from various vendors whose delivery range is within the customer's location or with product information from vendors having take out service within a specified range from the customer's location. The vendor's and customer's location is associated with a geocode representing the latitude and longitude coordinates of the location. The search for the vendors servicing the customer's location is done using the geocodes. The online ordering machine accepts orders from the customer for a particular product from a selected vendor. The order is converted into voice instructions which are transmitted to the vendor through a telephone call. The vendor receives the telephonic order and responds to voice-prompted instructions used to confirm the order.

40 Claims, 20 Drawing Sheets

100

104

102A

Client
Computer

106

Online
Ordering
Machine

110

108A

Vendor

102N

Client
Computer

108M

110

Vendor
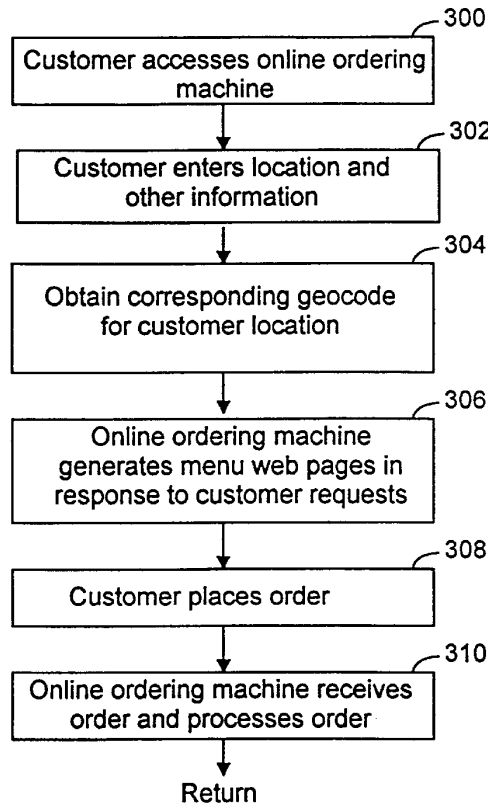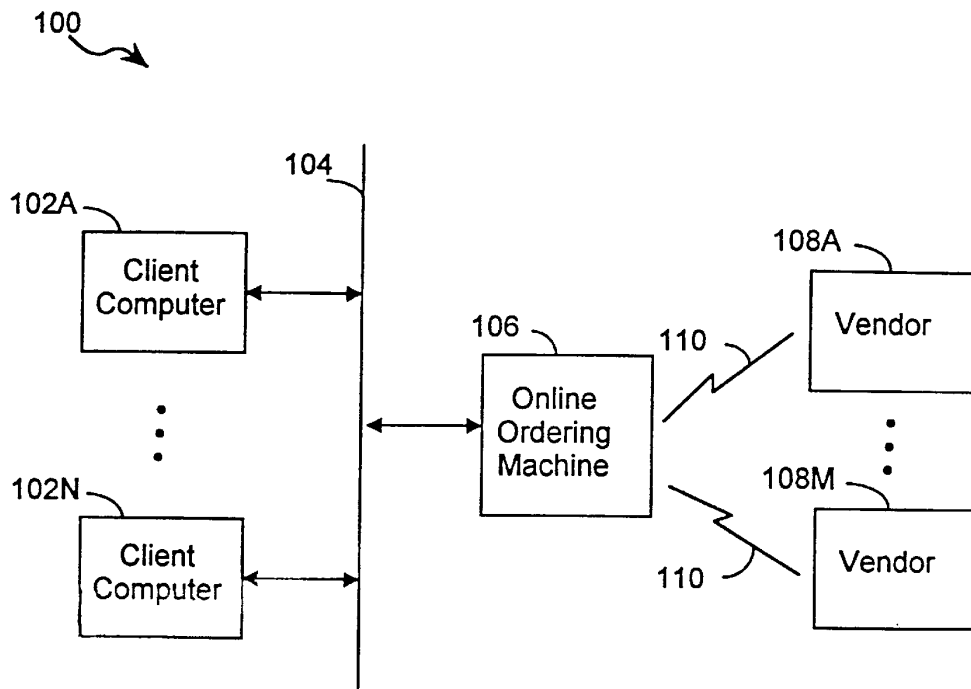
FIG. 1
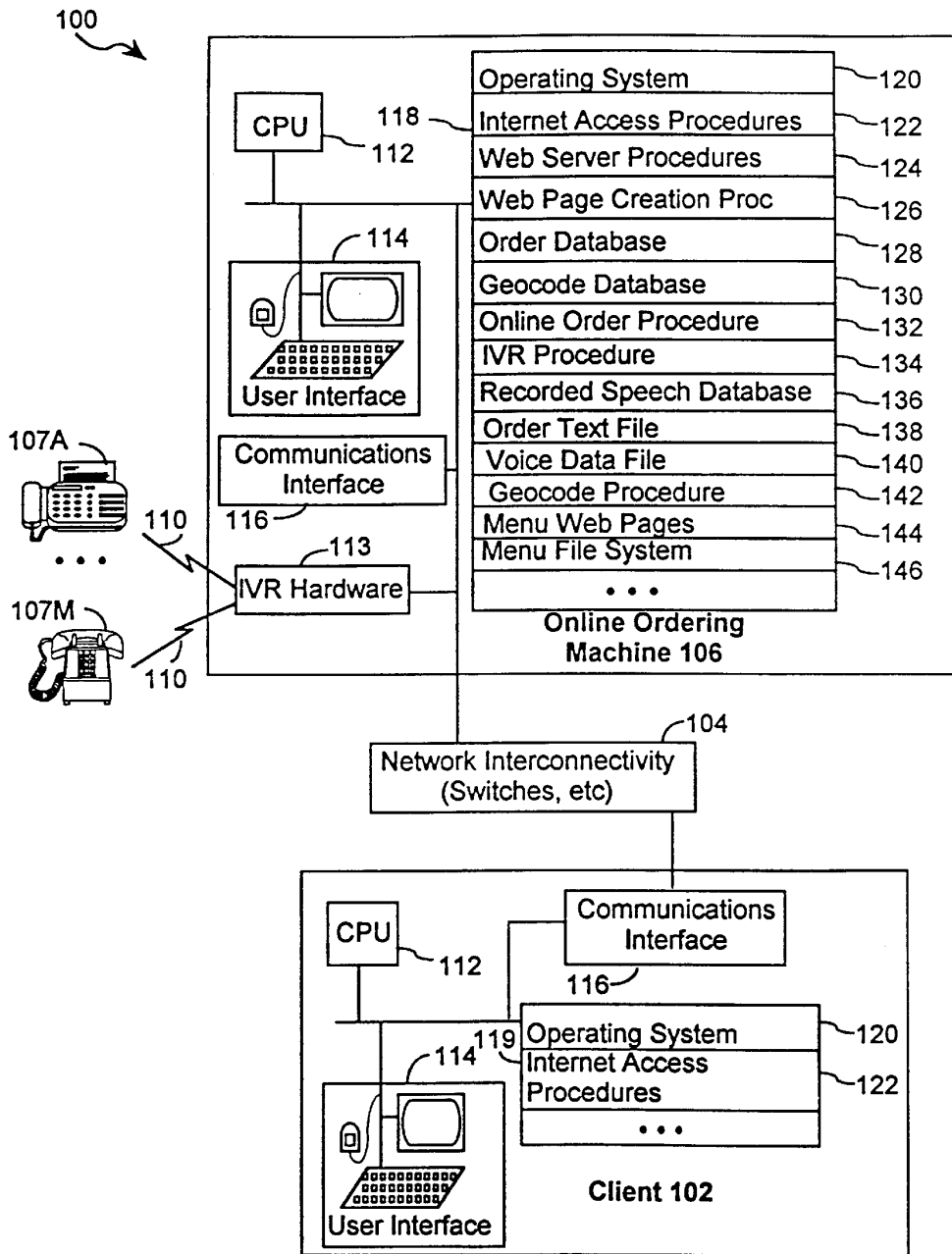
FIG. 2

FIG. 3A	FIG. 3B
FIG. 3C	FIG. 3D
FIG. 3E	FIG. 3F

KEY TO FIG. 3

220

CategoryTheme
oid
oidCategor
oidTheme
toCategory   >
toCategory   >>
toTheme   >

222

CategoryThemeZi
oid
oidCategor
zipcode

128

218

RDSDeliveryChar
deliveryCh
deliveryMa
deliveryMi
endTime
isLunch
oid
oidDayOfW
oidRDS
startTime
toDayOfWe   >
toRDS   >

206

Disposition
isBillable
name
oid
toIVRFaxDi   >>

210

DayOfWeek
name
oid

204

Theme
name
oid
toCategory   >>

208

Hour
isDelivery
isTakeout
oid
oidDayOfW
oidRestaur
timeClosed
timeOpen
toDayOfWe   >
toRestaura   >

212

Catergory
name
oid
oidFoodGr
toCategory   >>
toFoodGro   >
toRestaura   >>
toRestaura   >>

FIG. 3A

152

Address
city
crossStreet
isDemo   154
latitude
longitude   156
name
oid
oidCustom
oidRecord
oidTimeZo
phoneNum
state
streetAddre
streetAddre
zipcode

150

Customer
categoryBil
email
firstName
homePhon
isGeosysC
lastName
oid
oidRecord
password
preference
takeoutRan
toAddresse   >>

CreditCard   224
ccNumber
ccValidThr
city
customerH
customerP
name
state
streetAddre
streetAddre
zipcode

226

RDSZoneDelivery
deliveryCh
deliveryMa
deliveryMi
endTime
isLunch
oid
oidDayOfW
oidRDSZo
startTime
toDayOfWe   >
toRDSZon   >

214

FeeStructure
name
oid
toOrderFee   >>

216

OrderFee
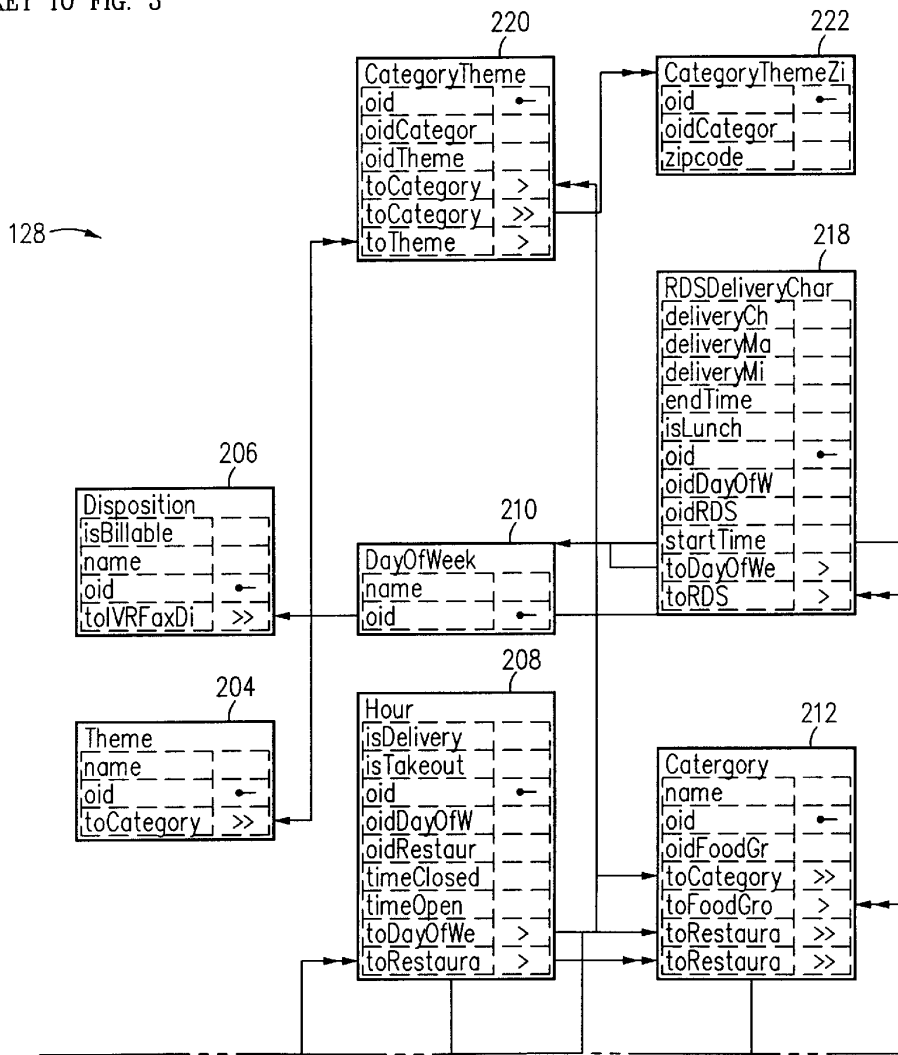endPrice
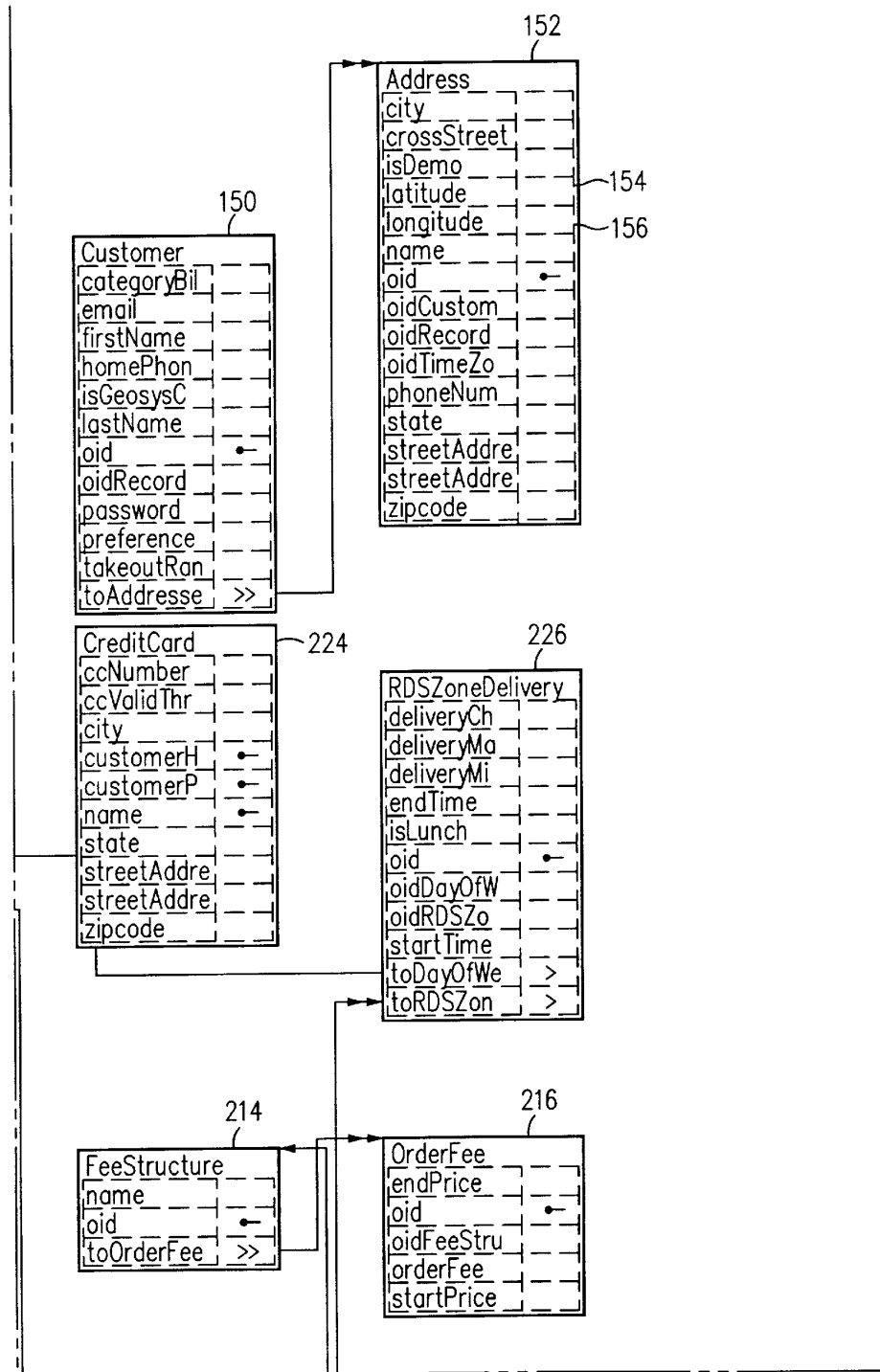oid
oidFeeStru
orderFee
startPrice

FIG. 3B

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.

fastcase
Smarter legal research.