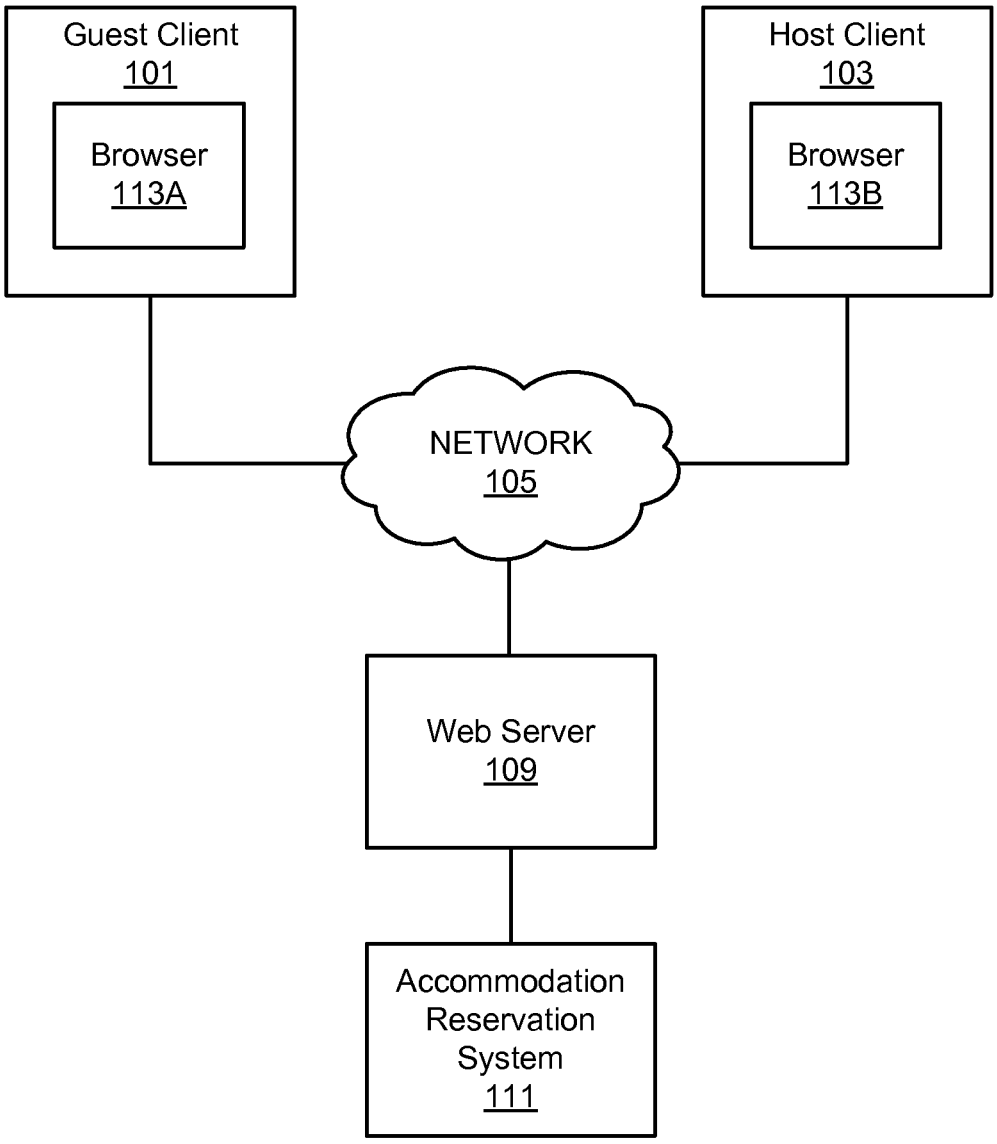

Guest Client
101
Browser
113A
Host Client
103
Browser
113B
NETWORK
105
Web Server
109
Accommodation
Reservation
System
111

FIG. 1

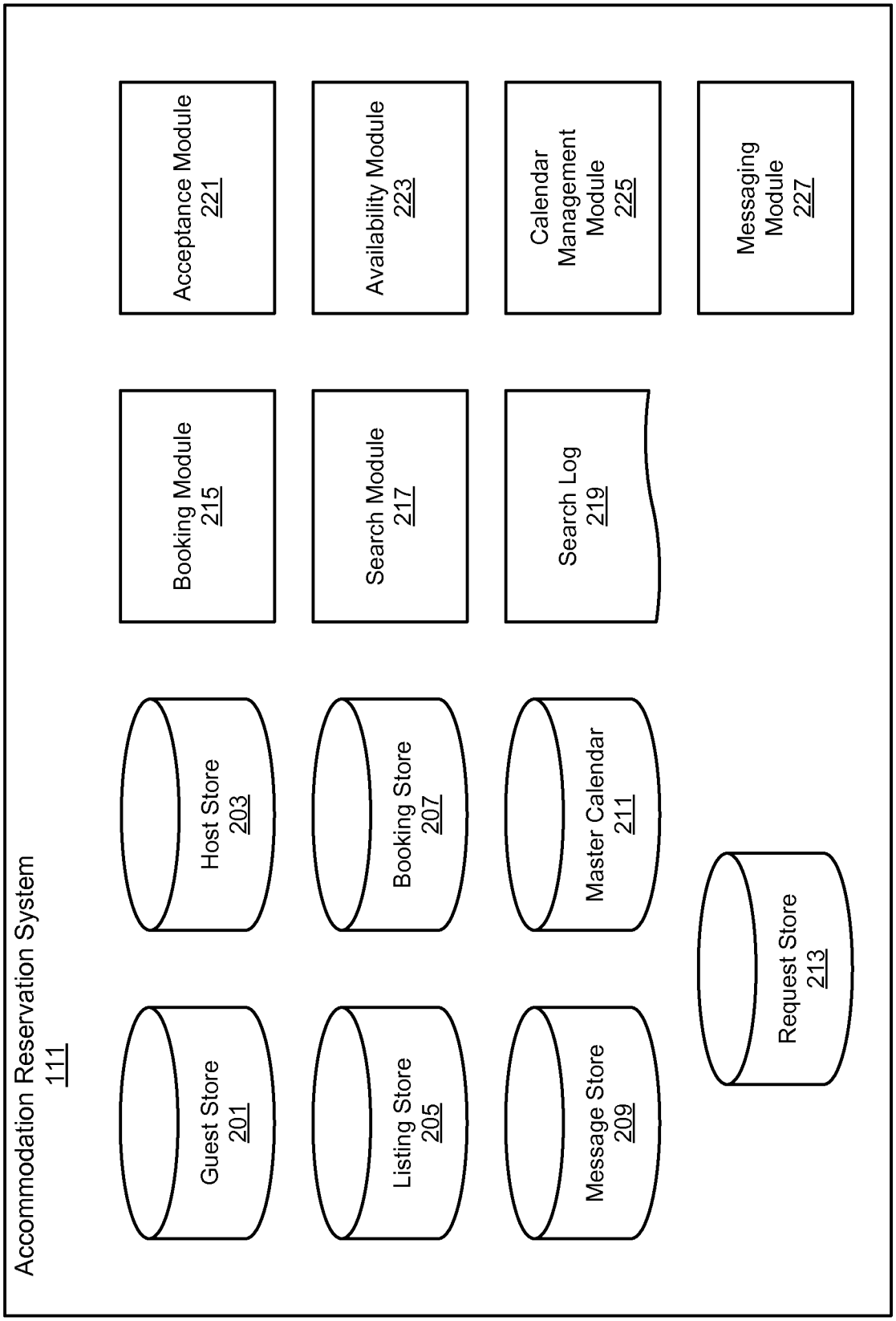

Accommodation Reservation System
111
Guest Store
201
Host Store
203
Listing Store
205
Booking Store
207
Message Store
209
Master Calendar
211
Request Store
213
Booking Module
215
Search Module
217
Search Log
219
Acceptance Module
221
Availability Module
223
Calendar Management Module
225
Messaging Module
227

FIG. 2

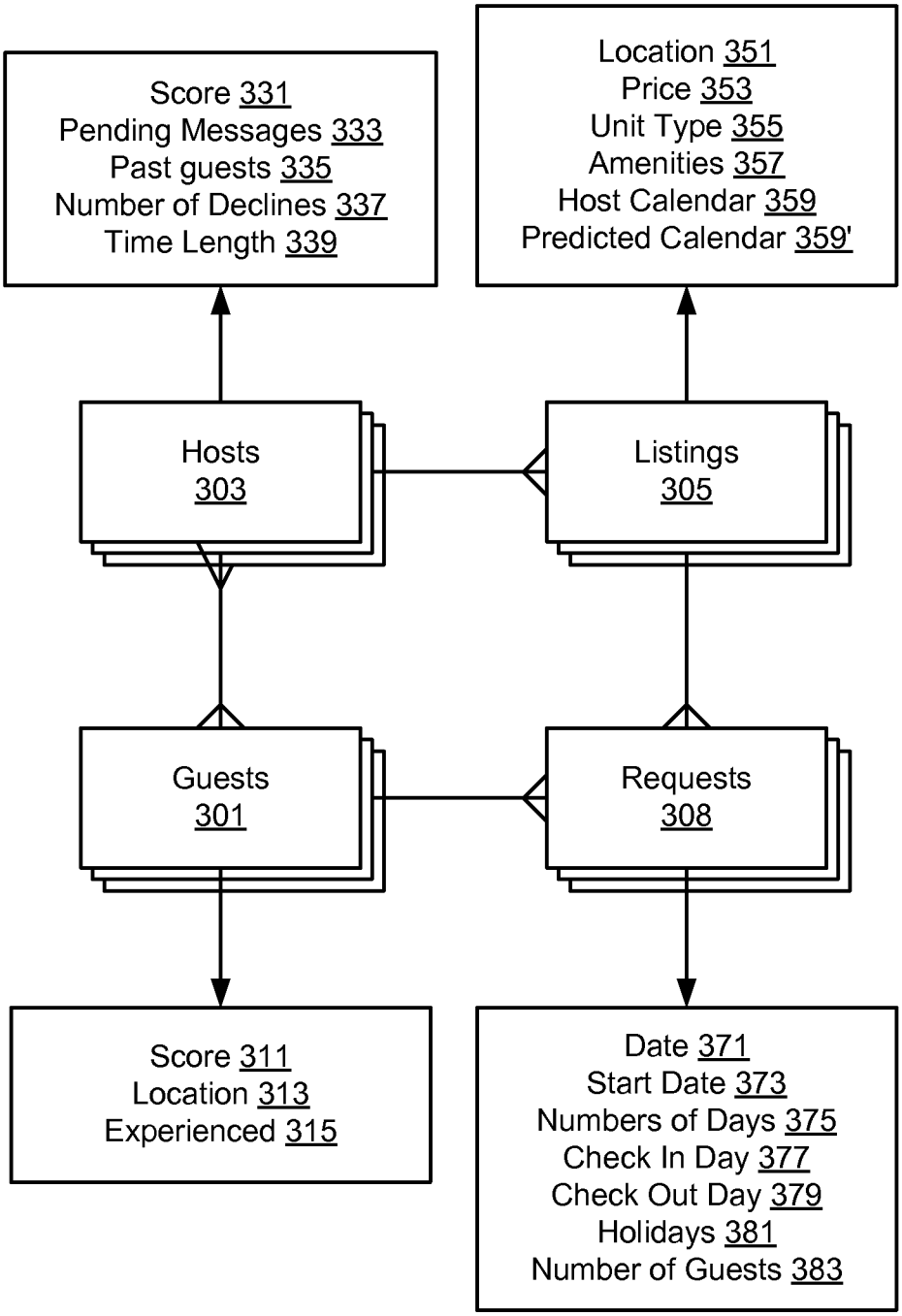

Score 331
Pending Messages 333
Past guests 335
Number of Declines 337
Time Length 339
Location 351
Price 353
Unit Type 355
Amenities 357
Host Calendar 359
Predicted Calendar 359'
Hosts
303
Listings
305
Guests
301
Requests
308
Score 311
Location 313
Experienced 315
Date 371
Start Date 373
Numbers of Days 375
Check In Day 377
Check Out Day 379
Holidays 381
Number of Guests 383

FIG. 3

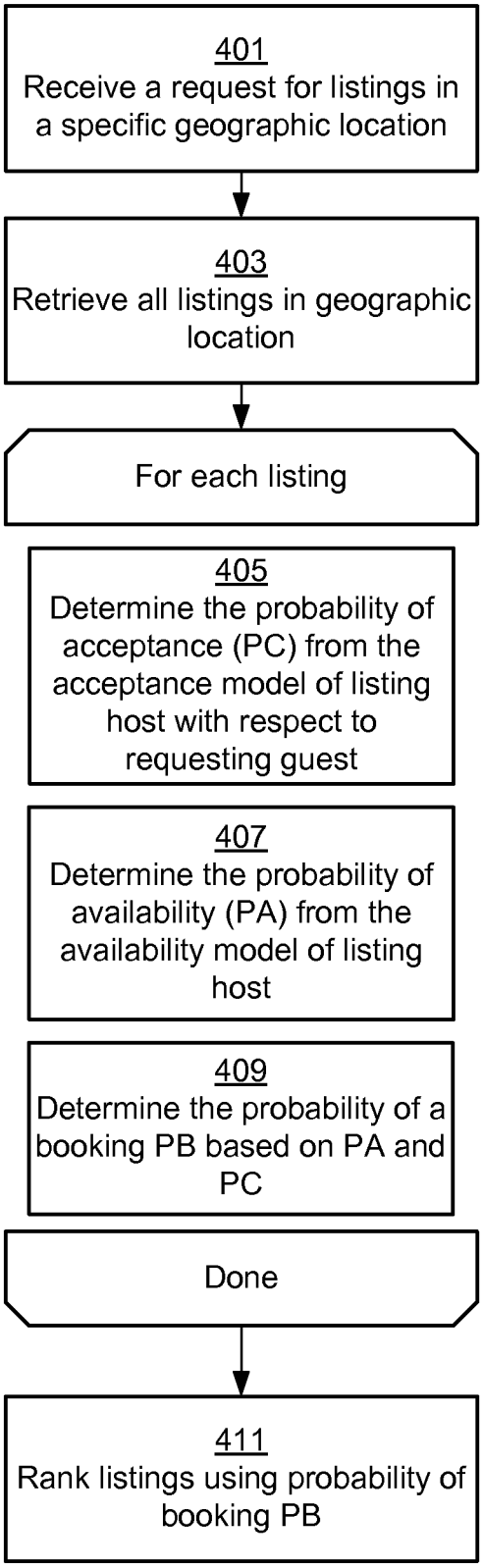

401
Receive a request for listings in a specific geographic location
403
Retrieve all listings in geographic location
For each listing
405
Determine the probability of acceptance (PC) from the acceptance model of listing host with respect to requesting guest
407
Determine the probability of availability (PA) from the availability model of listing host
409
Determine the probability of a booking PB based on PA and PC
Done
411
Rank listings using probability of booking PB

FIG. 4

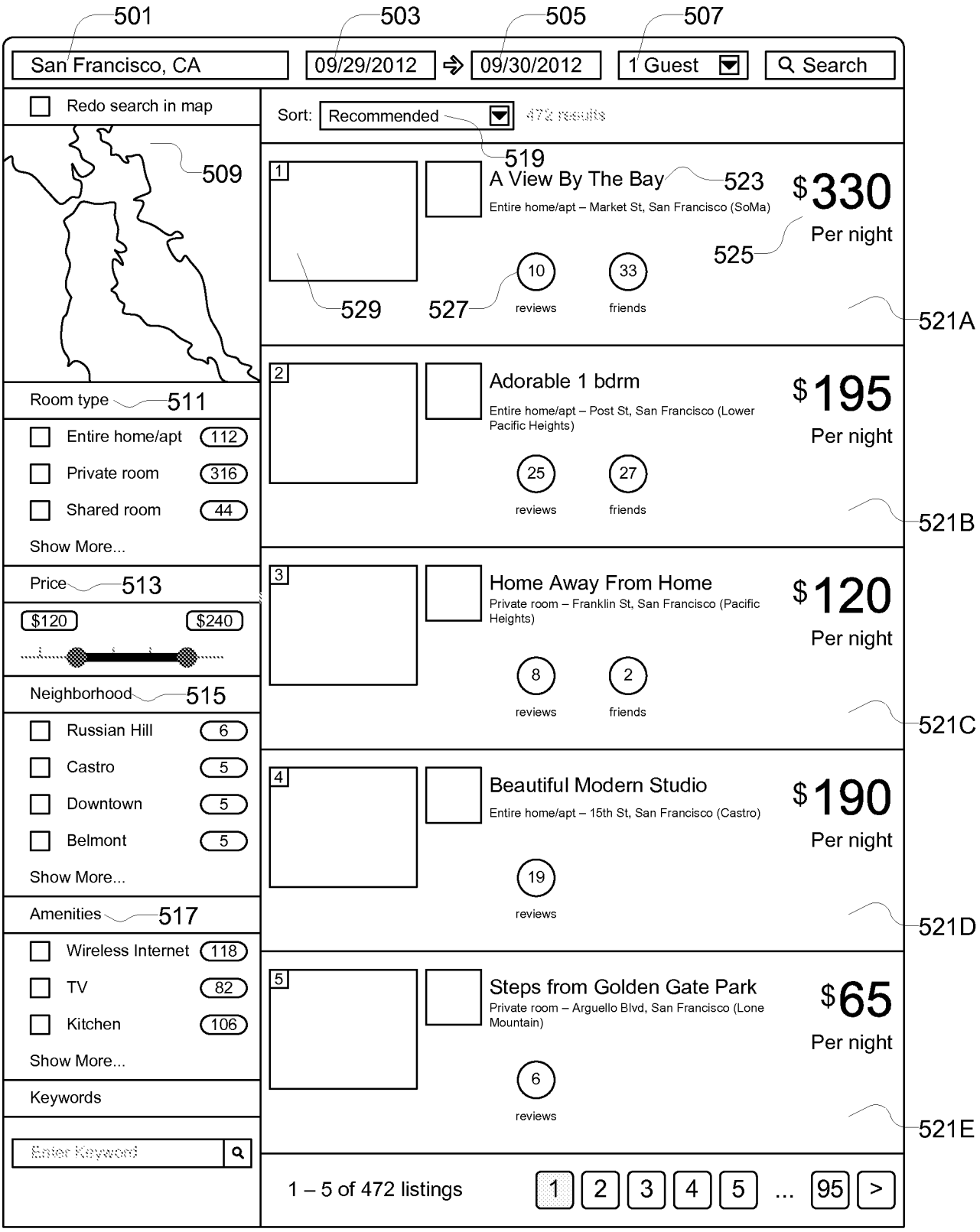

501
503
505
507
San Francisco, CA
09/29/2012
09/30/2012
1 Guest
Search
Redo search in map
509
Sort:
Recommended
519
472 results
1
A View By The Bay
523
Entire home/apt – Market St, San Francisco (SoMa)
$330
Per night
525
10
reviews
33
friends
529
527
521A
2
Adorable 1 bdrm
Entire home/apt – Post St, San Francisco (Lower Pacific Heights)
$195
Per night
25
reviews
27
friends
521B
3
Home Away From Home
Private room – Franklin St, San Francisco (Pacific Heights)
$120
Per night
8
reviews
2
friends
521C
4
Beautiful Modern Studio
Entire home/apt – 15th St, San Francisco (Castro)
$190
Per night
19
reviews
521D
5
Steps from Golden Gate Park
Private room – Arguello Blvd, San Francisco (Lone Mountain)
$65
Per night
6
reviews
521E
Room type
511
Entire home/apt 112
Private room 316
Shared room 44
Show More...
Price
513
$120
$240
Neighborhood
515
Russian Hill 6
Castro 5
Downtown 5
Belmont 5
Show More...
Amenities
517
Wireless Internet 118
TV 82
Kitchen 106
Show More...
Keywords
Enter Keyword
1 – 5 of 472 listings
1 2 3 4 5 ... 95 >

FIG. 5

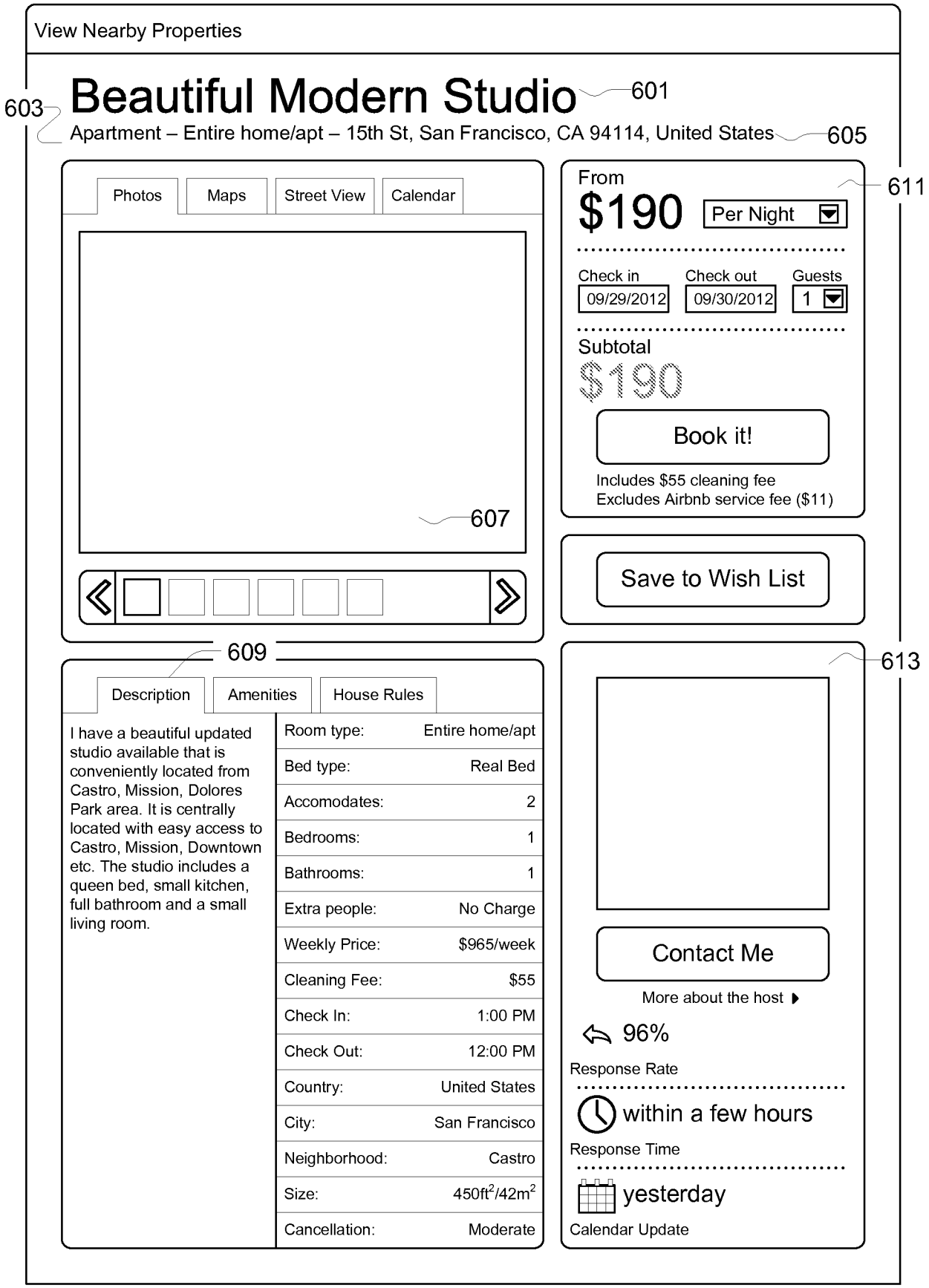

View Nearby Properties
Beautiful Modern Studio
601
603
Apartment – Entire home/apt – 15th St, San Francisco, CA 94114, United States
605
Photos
Maps
Street View
Calendar
607
From
$190
Per Night
611
Check in
09/29/2012
Check out
09/30/2012
Guests
1
Subtotal
$190
Book it!
Includes $55 cleaning fee
Excludes Airbnb service fee ($11)
Save to Wish List
609
Description
Amenities
House Rules
I have a beautiful updated studio available that is conveniently located from Castro, Mission, Dolores Park area. It is centrally located with easy access to Castro, Mission, Downtown etc. The studio includes a queen bed, small kitchen, full bathroom and a small living room.
Room type: Entire home/apt
Bed type: Real Bed
Accomodates: 2
Bedrooms: 1
Bathrooms: 1
Extra people: No Charge
Weekly Price: $965/week
Cleaning Fee: $55
Check In: 1:00 PM
Check Out: 12:00 PM
Country: United States
City: San Francisco
Neighborhood: Castro
Size: 450ft²/42m²
Cancellation: Moderate
613
Contact Me
More about the host
96%
Response Rate
within a few hours
Response Time
yesterday
Calendar Update

FIG. 6

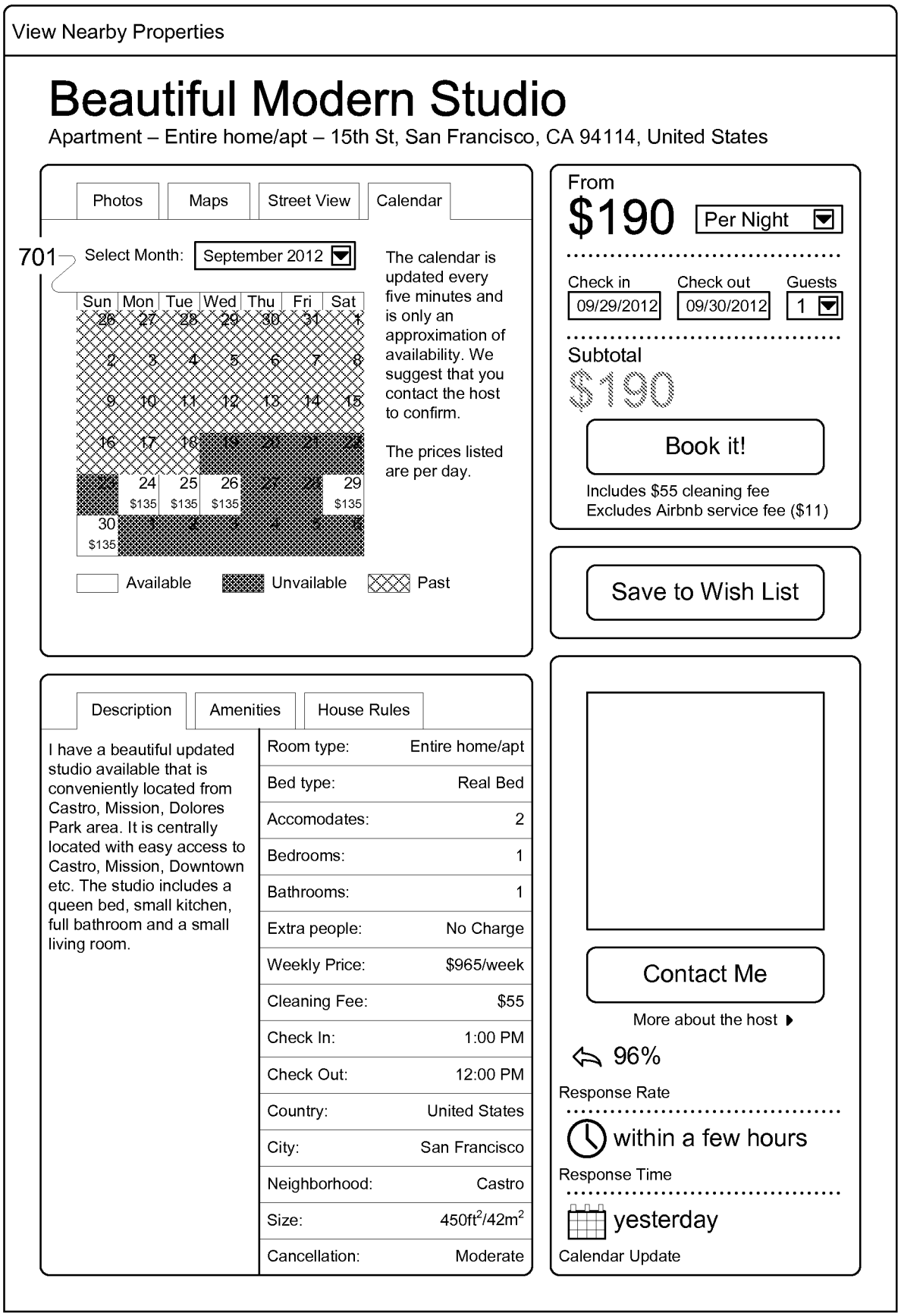

View Nearby Properties
Beautiful Modern Studio
Apartment – Entire home/apt – 15th St, San Francisco, CA 94114, United States
Photos
Maps
Street View
Calendar
701
Select Month:
September 2012
Sun Mon Tue Wed Thu Fri Sat
The calendar is updated every five minutes and is only an approximation of availability. We suggest that you contact the host to confirm.
The prices listed are per day.
Available
Unavailable
Past
From
$190
Per Night
Check in
09/29/2012
Check out
09/30/2012
Guests
1
Subtotal
$190
Book it!
Includes $55 cleaning fee
Excludes Airbnb service fee ($11)
Save to Wish List
Description
Amenities
House Rules
I have a beautiful updated studio available that is conveniently located from Castro, Mission, Dolores Park area. It is centrally located with easy access to Castro, Mission, Downtown etc. The studio includes a queen bed, small kitchen, full bathroom and a small living room.
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Check In: 1:00 PM
Check Out: 12:00 PM
Country: United States
City: San Francisco
Neighborhood: Castro
Size: 450ft²/42m²
Cancellation: Moderate
Contact Me
More about the host
96%
Response Rate
within a few hours
Response Time
yesterday
Calendar Update

FIG. 7

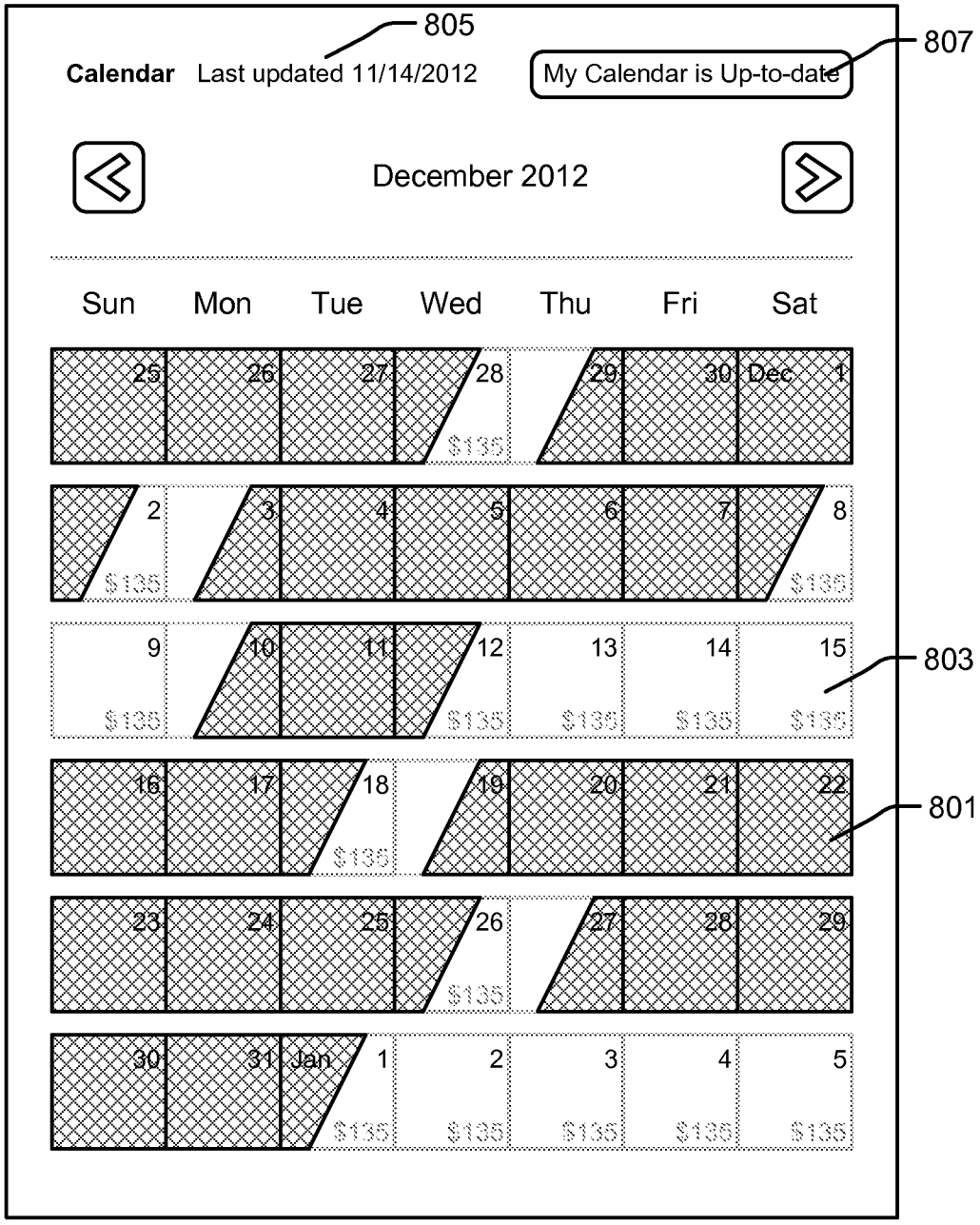

805
807
Calendar
Last updated 11/14/2012
My Calendar is Up-to-date
December 2012
Sun
Mon
Tue
Wed
Thu
Fri
Sat
803
801

FIG. 8