

CLAIMS

What is claimed:

1. A service pricing device (110), comprising,
 - a receiving unit (120) configured to receive service orders (106) over a communication network from a plurality of customers (102) requesting a service (112) from a service provider in a predetermined area and in a time period;
 - an allocation unit (122) configured to determine a current allocation rate of received service orders (106) among a plurality of service contractors (104) and to allocate received service orders (106) to the plurality of service contractors (104); and
 - a pricing unit (114) configured for determining a current price for a service order (106) received in the time period for the predetermined area based on the current allocation rate of service orders (106) and a predetermined allocation rate of service orders (106) for the plurality of service contractors (104), and
 - a notification unit (124) configured to provide the current price of the service (112) over the communication network to the plurality of customers (102) and to the plurality of service contractors (104) such that a service order for the predetermine area and in the time period is fulfilled at the determined current price.
2. The service pricing device (110) of claim 1,
 - wherein each service order (106) is configured as an electronic message,
 - wherein the receiving unit (120) comprises a communication device configured to receive the electronic messages comprising the service orders (106) via a communication connection through the communication network.
3. The service pricing device (110) of claim 1 or 2,
 - wherein the notification unit (124) comprises a communication device configured to transmit the determined current price for the service via communication connections through the communication network to the plurality of customers (102) and to the plurality of service contractors (104).
4. The service pricing device (110) of anyone of claims 1 to 3,
 - one or more processor(s) (116), the processor(s) (116) configured to host the allocation unit (122) and the pricing unit (114).

5. The service pricing device (110) of anyone of claims 1 to 3, one or more application specific integrated circuit (ASIC), the one or more ASIC configured to host the allocation unit (122) and the pricing unit (114).
6. The service pricing device (110) of anyone of claims 1 to 5, further comprising an occupancy unit (126) configured to determine a current occupation rate of service contractors (104) of the plurality of service contractors (104) currently not available for accepting a service order (108) among the plurality of service contractors (104) and wherein the pricing unit (114) is further configured for determining the current price for the service order received in the time period for the predetermined area based on the current occupation rate of service contractors (104) and a predetermined occupation rate for service contractors (104).
7. The service pricing device (110) of anyone of claims 1 to 6, wherein the predetermined area is a geohash code area, a postal code area or a radio cell area.
8. The service pricing device (110) of anyone of claims 1 to 7, wherein the time period has a period length in a range from 30 sec to about 2 h.
9. The service pricing device (110) of anyone of claims 1 to 8, wherein the time period is adjustable.
10. The service pricing device (110) of anyone of claims 1 to 9, wherein the service (112) is a real space service.
11. A service pricing device (110), comprising:
 - one or more processor(s) (116); and
 - a memory (118) having instructions stored therein, the instructions, when executed by the one or more processor(s) (116), cause the one or more processor(s) (116) to:
 - receive service orders (106) over a communication network from a plurality of customers (102) requesting a service (112) from a service provider in a predetermined area and in a time period;
 - determine a current allocation rate of received service orders among a plurality of service contractors (104) and allocate received service orders to the plurality of service contractors (104);

determining a current price for a service order (106) received in the time period for the predetermined area based on the current allocation rate of service orders and a predetermined allocation rate of service orders for the plurality of service contractors (104), and

provide the current price of the service (112) over the communication network to the plurality of customers (102) and to the plurality of service contractors (104) such that a service order (106) for the predetermine area and in the time period is fulfilled at the determined current price.

12. A service pricing method (200), comprising:

receive (210) service orders (106) over a communication network from a plurality of customers (102) requesting a service (112) from a service provider in a predetermined area and in a time period;

determine (220) a current allocation rate of received service orders among a plurality of service contractors (104) and allocate received service orders to the plurality of service contractors (104);

determine (230) a current price for a service order received in the time period for the predetermined area based on the current allocation rate of service orders and a predetermined allocation rate of service orders for the plurality of service contractors (104), and

provide (240) the current price of the service over the communication network to the plurality of customers (102) and to the plurality of service contractors (104) such that a service order (106) for the predetermine area and in the time period is fulfilled at the determined current price.