Device And Method For Product Delivery Interception

FIELD OF INVENTION

[0001] The present disclosure relates to a device and method for product delivery interception.

BACKGROUND

[0002] The availability of online shopping and its growing acceptance trend has shaped consumer purchasing habits. Two types of consumers have been identified.

[0003] The first type of consumer looks for best prices. He or she is open to options that can help to reduce the cost of a wanted product.

[0004] The second type of consumers are those who are impatient when a product is urgently needed. Such consumers are willing to pay extra for early deliveries. For example, a consumer who wants a mobile phone is ready to pay more for expedited delivery.

[0005] A need therefore exists to find possible solutions that meet the needs of the above two consumer types.

SUMMARY

[0006] According to a first aspect, there is provided a product delivery interceptor server comprising:
at least one processor;
at least one memory including computer program code;
an input port coupled to the processor, the input port configured to prompt a purchaser, on a payment page for a product on a merchant application, that the product is planned for delivery to a recipient; and
an output port coupled to the processor, the output port configured to transmit a bid for the product by the purchaser;
the at least one memory and the computer program code configured to, with the at least one processor, cause the product delivery interceptor server to:
identify the recipient of the product;
filter requests for the product planned for delivery to the recipient based on proximity of an address of the recipient to an address of the purchaser;
transmit, through the output port to an application on an electronic computing device of the recipient, the bid for consideration by the recipient by forwarding only the filtered requests for which the address of the recipient is in proximity to the address of the purchaser;

acquire, through the input port, a recipient response to the bid; and
convey, through the output port to a courier, an instruction to reroute delivery of the product to the purchaser on determining that the recipient response indicates acceptance of the bid, wherein the courier is configured to deliver the product to the purchaser, based on the instruction, as part of an already planned delivery along a delivery route on determining that the address of the purchaser is along the delivery route. According to an aspect, there is provided product delivery interceptor server comprising:
at least one processor;
at least one memory including computer program code;
an input port coupled to the processor, the input port configured to receive a notification that a product is to be delivered to a recipient; and
an output port coupled to the processor, the output port configured to transmit a bid for the product, the at least one memory and the computer program code configured to, with the at least one processor, cause the product delivery interceptor server at least to:
identify a purchaser of the product;
filter requests for the product to be delivered to the recipient based on proximity of an address of the recipient to an address of the purchaser;
forward, through the output port on a payment page for the product on a merchant application, the notification to the purchaser that the product is to be delivered to the recipient;
receive, through the input port, the bid from the purchaser;
transmit, through the output port to an application on an electronic computing device of the recipient, the bid for consideration by the recipient by forwarding only the filtered requests for which the address of the recipient is in proximity to the address of the purchaser;
acquire, through the input port, the recipient response to the bid; and
convey, through the output port to a courier, an instruction to reroute the delivery of the product from the recipient to the purchaser on determining that the recipient response indicates acceptance of the bid, wherein the courier is configured to deliver the product to the purchaser based on the instruction as part of an already planned delivery along a delivery route on determining that the address of the purchaser is along the delivery route. According to an aspect,there is provided product delivery interception method comprising:
receiving, from an application on an electronic computing device of a purchaser, a request to determine availability of a product;
identifying a recipient of the product;
filtering requests for the product planned for delivery to the recipient based on proximity of an address of the recipient to an address of the purchaser;
transmitting, to an application on an electronic computing device of the recipient, a bid for the product for consideration by the recipient by forwarding only the filtered requests for which the address of the recipient is in proximity to the address of the purchaser;
acquiring, the recipient response to the bid; and
conveying, to a courier, an instruction to reroute delivery of the product to the purchaser on determining that the recipient response indicates acceptance of the bid, wherein the courier is configured to deliver the product to the purchaser based on the instruction as part of an already planned delivery along a delivery route on determining that the address of the purchaser is along the delivery route. According to the disclosure , there is provided a product delivery interceptor including: at least one processor; at least one memory including computer program code; an input port coupled to the processor,

the input port configured to receive, from a purchaser, a request to determine availability of a product; and an output port coupled to the processor, the output port configured to transmit a bid for the product, the bid resulting from confirmation of the availability of the product, in response to the received request; the at least one memory and the computer program code configured to, with the at least one processor, cause the product delivery interceptor to: identify a recipient of the product; transmit, through the output port, the bid for consideration by the recipient; acquire, through the input port, the

recipient response to the bid; and convey, through the output port, an instruction to reroute delivery of the product to the purchaser if the recipient response indicates acceptance of the bid.

[0007] According to the disclosure, there is provided a product delivery interceptor including: at least one processor; at least one memory including computer program code; an input port coupled to the processor, the input port configured to receive a notification that a product is to be delivered to a recipient; and an output port coupled to the processor, the output port configured to transmit a bid for the product, the at least one memory and the computer program code configured to, with the at least one processor, cause the product delivery interceptor at least to: identify a purchaser of the product; forward, through the output port, the notification to the purchaser; receive, through the input port, the bid from the purchaser; transmit, through the output port, the bid for consideration by the recipient; acquire, through the input port, the recipient response to the bid; and convey, through the output port, an instruction to reroute the delivery of the product from the recipient to the purchaser if the recipient response indicates acceptance of the bid.

[0008] According to the disclosure, there is provided a product delivery interception method including: receiving, from a purchaser, a request to determine availability of a product; identifying a recipient of the product; transmitting a bid for the product for consideration by the recipient; acquiring, the recipient response to the bid; and conveying an instruction to reroute delivery of the product to the purchaser if the recipient response indicates acceptance of the bid.

[0009] According to the disclosure, there is provided a product delivery interception method including: forwarding, to a purchaser, a notification that a product is to be delivered to a recipient; receiving, from the purchaser, a bid for the product; transmitting the bid for consideration by the recipient; acquiring the recipient response to the bid; and conveying an instruction to reroute the delivery of the product from the recipient to the purchaser if the recipient response indicates acceptance of the bid.

BRIEF DESCRIPTION OF THE DRAWINGS

CLAIMS

1. A product delivery interceptor server comprising:
at least one processor;
at least one memory including computer program code;
an input port coupled to the processor, the input port configured to prompt a purchaser, on a payment page for a product on a merchant application, that the product is planned for delivery to a recipient; and
an output port coupled to the processor, the output port configured to transmit a bid for the product by the purchaser;
the at least one memory and the computer program code configured to, with the at least one processor, cause the product delivery interceptor server to:
identify the recipient of the product;
filter requests for the product planned for delivery to the recipient based on proximity of an address of the recipient to an address of the purchaser;
transmit, through the output port to an application on an electronic computing device of the recipient, the bid for consideration by the recipient by forwarding only the filtered requests for which the address of the recipient is in proximity to the address of the purchaser;
acquire, through the input port, a recipient response to the bid; and
convey, through the output port to a courier, an instruction to reroute delivery of the product to the purchaser on determining that the recipient response indicates acceptance of the bid, wherein the courier is configured to deliver the product to the purchaser, based on the instruction, as part of an already planned delivery along a delivery route on determining that the address of the purchaser is along the delivery route.

2. The product delivery interceptor server of claim 1, wherein the bid for the product includes a rebate to the recipient and an offer to exchange the product with a product ordered by the purchaser, wherein the product delivery interceptor server is further configured to
convey, through the output port to the courier, an instruction to reroute delivery of the ordered product from the purchaser to the recipient on determining that the recipient response indicates acceptance of the bid.

3. The product delivery interceptor server of claim 2, wherein a record of the recipient is kept in a courier manager that coordinates with the courier for the delivery and wherein the product delivery interceptor server is further configured to communicate, through the output port, with the courier manager to perform one or more of:
the identification of the recipient;
the transmission of the bid, to the application on the electronic computing device of the recipient, for consideration by the recipient;
the conveyance of the instruction, to the courier, to reroute the delivery of the product to the purchaser; and
the conveyance of the instruction, to the courier, to reroute the delivery of the ordered product to the recipient.

4. The product delivery interceptor server of claim 3, wherein the product delivery interceptor server is further configured to communicate, through the output port, with the courier manager to provide an indication of remuneration for one or more of:
the reroute of the delivery of the product from the recipient to the purchaser; and
the reroute of the delivery of the ordered product from the purchaser to the recipient.

5. The product delivery interceptor server of claim 2, wherein an application on an electronic computing device of the courier has location capability to determine locations of the purchaser and the recipient, wherein the courier is

configured to re-organize delivery of the ordered product from the purchaser to the recipient to be part of another already planned delivery along a delivery route on determining that the address of the recipient is along the delivery route.

6. The product delivery interceptor server of claim 1, wherein the application on the electronic computing device of the recipient and an application on an electronic computing device of the purchaser have location capability to track deliveries by the courier, wherein the filtering is enabled based on the tracked deliveries.

7. The product delivery interceptor server of claim 1, wherein the product delivery interceptor server is further configured to, before transmitting the bid for consideration by the recipient,
provide, to the purchaser, a list of recipients of the product; and
receive, from the purchaser, a selection of the recipient for the bid from the list of recipients.

8. The product delivery interceptor server of claim 1, wherein the product delivery interceptor server is further configured to, before transmitting the bid for consideration by the recipient,
assign the recipient for the bid from a list of recipients of the product.

9. The product delivery interceptor server of claim 1, wherein the product delivery interceptor server is further configured to:
automatically create starting terms for the bid including a monetary amount of the product; and
receive the bid from the purchaser, the bid including a change in the monetary amount of the product.

10. The product delivery interceptor server of claim 1, wherein the filtering is applied on determining that delivery of the product to the recipient is in progress.

11. The product delivery interceptor server of claim 1, wherein the address of the purchaser and the address of the recipient are determined using location capability of an electronic computing device of the purchaser and the electronic computing device of the recipient.

12. A product delivery interceptor server comprising:
at least one processor;
at least one memory including computer program code;
an input port coupled to the processor, the input port configured to receive a notification that a product is to be delivered to a recipient; and
an output port coupled to the processor, the output port configured to transmit a bid for the product,
the at least one memory and the computer program code configured to, with the at least one processor, cause the product delivery interceptor server at least to:
identify a purchaser of the product;
filter requests for the product to be delivered to the recipient based on proximity of an address of the recipient to an address of the purchaser;
forward, through the output port on a payment page for the product on a merchant application, the notification to the purchaser that the product is to be delivered to the recipient;
receive, through the input port, the bid from the purchaser;
transmit, through the output port to an application on an electronic computing device of the recipient, the bid for consideration by the recipient by forwarding only the filtered requests for which the address of the recipient is in

proximity to the address of the purchaser;
acquire, through the input port, the recipient response to the bid; and
convey, through the output port to a courier, an instruction to reroute the delivery of the product from the recipient to the purchaser on determining that the recipient response indicates acceptance of the bid, wherein the courier is configured to deliver the product to the purchaser based on the instruction as part of an already planned delivery along a delivery route on determining that the address of the purchaser is along the delivery route.

13. The product delivery interceptor server of claim 12, wherein the bid for the product includes a rebate to the recipient and an offer to exchange the product to be delivered to the recipient with an ordered product of the purchaser, wherein the product delivery interceptor server is further configured to
convey, through the output port to the courier, an instruction to reroute delivery of the ordered product from the purchaser to the recipient on determining that the recipient response indicates acceptance of the bid.

14. The product delivery interceptor server of claim 13, wherein the notification is received from Hall the courier and wherein the product delivery interceptor server is further configured to communicate with the courier to perform one or more of:
the transmission of the bid for consideration by the recipient;
the acquisition of the recipient response to the bid;
the conveyance of the instruction to reroute the delivery of the product from the recipient to the purchaser on determining that the recipient response indicates acceptance of the bid; and
the conveyance of the instruction to reroute the delivery of the ordered product from the purchaser to the recipient on determining that the recipient response indicates acceptance of the bid.

15. The product delivery interceptor server of claim 13, wherein the product delivery interceptor server is further configured to communicate, through the output port, with the courier to provide an indication of remuneration for one or more of:
the reroute of the delivery of the ordered product from the purchaser to the recipient; and
the reroute of the delivery of the product from the recipient to the purchaser.

16. The product delivery interceptor server of claim 12, wherein the application on the electronic computing device of the recipient and an application on an electronic computing device of the purchaser have location capability to track deliveries by the courier, wherein the filtering is enabled based on the tracked deliveries.

17. A product delivery interception method comprising:
receiving, from an application on an electronic computing device of a purchaser, a request to determine availability of a product;
identifying a recipient of the product;
filtering requests for the product planned for delivery to the recipient based on proximity of an address of the recipient to an address of the purchaser;
transmitting, to an application on an electronic computing device of the recipient, a bid for the product for consideration by the recipient by forwarding only the filtered requests for which the address of the recipient is in proximity to the address of the purchaser;
acquiring, the recipient response to the bid; and
conveying, to a courier, an instruction to reroute delivery of the product to the purchaser on determining that the recipient response indicates acceptance of the bid, wherein the courier is configured to deliver the product to the

purchaser based on the instruction as part of an already planned delivery along a delivery route on determining that the address of the purchaser is along the delivery route.

18. The method of claim 17, wherein the bid for the product includes a rebate to the recipient and an offer to exchange the product with a product ordered by the purchaser, wherein the method further comprises:
conveying, to the courier, an instruction to reroute delivery of the ordered product from the purchaser to the recipient on determining that the recipient response indicates acceptance of the bid.

19. The method of claim 17, wherein before transmitting the bid for consideration by the recipient, the method further comprises:
providing, to the purchaser, a list of recipients of the product; and
receiving, from the purchaser, a selection of the recipient for the bid from the list of recipients.

20. The method of claim 17, wherein before transmitting the bid for consideration by the recipient, the method further comprises:
assigning the recipient for the bid from a list of recipients of the product.