

CLAIMS

1. An allocation system (100), comprising
a receiving unit (114) configured to receive a delivery order having a cash flow value of cash money and configured to determine cash on hand value of a plurality of delivery drivers (DD), respectively,
a subset (132, 134, 136) generator unit (116), communicatively coupled with the receiving unit (114), configured to generate at least a subset (132, 134, 136) of the plurality of delivery drivers (DD) based on the cash flow value of the delivery order and the cash on hand value of each delivery driver (DD); and
a transmitter unit (118) configured to transmit the delivery order only to the delivery drivers of the subset (132, 134, 136).
2. The allocation system (100) of claim 1,
wherein the subset (132, 134, 136) generator unit (116) is configured such that the delivery drivers of the subset (132, 134, 136) comprise a cash on hand value larger than the cash-out value of the delivery order, wherein the cash-out value is a value of cash money paid by the delivery driver for fulfilling the order.
3. The allocation system (100) of claim 1 or 2,
wherein the cash flow value of the delivery order is positive or zero and the subset (132, 134, 136) generator unit (116) is further configured such that the delivery drivers (DD) of the subset (132, 134, 136) comprise a cash on hand value below a predetermined lower cash on hand threshold value.
4. The allocation system (100) of claim 1 or 2,
wherein the cash flow value of the delivery order is negative and the subset (132, 134, 136) generator unit (116) is further configured such that the delivery drivers of the subset (132, 134, 136) comprise a cash on hand value above a predetermined upper cash on hand threshold value.
5. The allocation system (100) of any one of claims 1 to 4,
wherein each of the plurality of delivery drivers (DD) comprises a mobile communication device, wherein the mobile communication devices are configured to receive a plurality of delivery orders from the transmitter unit (118);

wherein the delivery order is received by a delivery service provider hosting at least the receiving unit (114) and the transmitter unit (118).

6. An allocation device (120), comprising:
one or more processors (124); and
memory (126) having instructions stored therein, the instructions, when executed by the one or more processors (124), cause the one or more processors (124) to perform acts comprising:
determining a score value for each delivery driver of a plurality of delivery drivers (DD), wherein the score value is related to a cash on hand value of the respective delivery driver;
generate at least one subset (132, 134, 136) of delivery drivers, wherein each delivery driver of the subset (132, 134, 136) has a score value that is beyond a predetermined threshold value; and
flag the delivery drivers of the subset (132, 134, 136) in the memory (126), respectively
7. The allocation device (120) of claim 6,
wherein the delivery drivers (DD) of the plurality of delivery drivers (DD) not belonging to the subset (132, 134, 136) are not flagged in the memory (126) and acceptance of a predetermined delivery order is only eligible by a delivery driver of the subset (132, 134, 136).
8. The allocation device (120) of claim 6 or 7,
wherein the score value is based on the cash flow value of a delivery order being positive or zero and a cash on hand value below a predetermined lower cash on hand threshold value.
8. The allocation device (120) of claim 6 or 7,
wherein the score value is based on the cash flow value of a delivery order being negative and a cash on hand value above a predetermined upper cash on hand threshold value.
9. An allocation method (200) comprising:
receive (210) a delivery order having a cash flow value of cash money;
determine (220) cash on hand value of a plurality of delivery drivers (DD), respectively,

generate (230) at least a subset (132, 134, 136) of the plurality of delivery drivers based on the cash flow value of the delivery order and the cash on hand value of each delivery driver; and
transmit (250) the delivery order only to the delivery drivers of the subset (132, 134, 136) and/or
flag (260) the delivery drivers of the subset (132, 134, 136) in a memory (126), respectively.

10. The allocation method (200) of claim 9,
wherein the cash flow value of the delivery order is defined by a cash-in value of cash money paid to the delivery driver for fulfilling the order and a cash-out value of cash money paid by the delivery driver for fulfilling the order.
11. The allocation method (200) of claim 9 or 10,
wherein the delivery driver receiving the delivery order comprises a cash on hand value larger than the cash-out value of the delivery order wherein the cash-out value is cash money paid by the delivery driver for fulfilling the order.
12. The allocation method (200) of any one of claim 9 to 11,
wherein the cash flow value of the delivery order is positive or zero and the subset (132, 134, 136) generator unit (116) is further configured such that the delivery driver receiving the delivery order comprises a cash on hand value below a predetermined lower cash on hand threshold value.
13. The allocation method (200) of any one of claim 9 to 11,
wherein the cash flow value of the delivery order is negative and the delivery driver receiving the delivery order comprises a cash on hand value above a predetermined upper cash on hand threshold value.