

We Claim:

1. A method of performing a transaction by automatically transmitting data to an Electronic Data Capture (EDC) terminal (206), the method comprising:

5 receiving, by a printer driver unit (204) associated with a host computing device (202), a first print request comprising first data related to a purchase, from the host computing device (202), wherein the printer driver unit (204) is initialized to act as an interface between the host computing device (202) and an Electronic Data Capture (EDC) terminal (206);

10 extracting, by the printer driver unit (204), a final transaction amount from the first data;

determining, by the printer driver unit (204), status of the EDC terminal (206) upon extracting the final transaction amount;

15 generating, by the printer driver unit (204), a second print request comprising the extracted final transaction amount, when the EDC terminal (206) is determined to be in a first state; and

transmitting, by the printer driver unit (204), the generated second print request to the EDC terminal (206) to facilitate automatic insertion of the final transaction amount in the EDC terminal (206) to initiate a payment transaction.

2. The method as claimed in claim 1, wherein the method further comprises:

20 transmitting, by the printer driver unit (204), a third print request comprising the first data, to the EDC terminal (206) to print the first data, upon completion of the payment transaction.

3. The method as claimed in claim 1, wherein the first data comprises purchase data and the final transaction amount associated with the purchase data.

25 4. The method as claimed in claim 1, wherein the status of the EDC terminal (206) is one of the first state indicative of a print acceptance state or a second state indicative of a normal state.

5. The method as claimed in claim 4, wherein the method, upon determining the status of the EDC terminal (206) to be in the second state, performs:
 - transmitting, by the printer driver unit (204), a state change command to the EDC terminal (206) to convert the EDC terminal (206) from the second state to the first state.
- 5 6. The method as claimed in claim 1 further comprises determining, by the printer driver unit (204), product type of the EDC terminal (206), prior to determination of the status of the EDC terminal (206), wherein the printer driver unit (204) communicates with the EDC terminal (206) when the product type of the EDC terminal (206) corresponds to a pre-defined product range.
- 10 7. The method as claimed in claim 1, wherein extracting the final transaction amount comprises analysing the received first data using at least one of a visual mark-up technique, a geometric learning technique, and an algebraic learning technique.
8. A printer driver unit (204) for performing a transaction by automatically transmitting data to an Electronic Data Capture (EDC) terminal (206), the printer driver unit (204) comprising:
 - 15 a processor (210);
 - a memory (214) communicatively coupled to the processor (210), wherein the memory (214) stores the processor (210) instructions, which on execution, causes the processor (210) to:
 - 20 receive a first print request comprising first data related to a purchase, from a host computing device (202), wherein the printer driver unit (204) is initialized to act as an interface between the host computing device (202) and an Electronic Data Capture (EDC) terminal (206);
 - extract a final transaction amount from the first data;
 - 25 determine status of the EDC terminal (206) upon extracting the final transaction amount;
 - generate a second print request comprising the extracted final transaction amount, when the EDC terminal (206) is determined to be in a first state; and

transmit the generated second print request to the EDC terminal (206) to facilitate automatic insertion of the final transaction amount in the EDC terminal (206) to initiate a payment transaction.

9. The printer driver unit (204) as claimed in claim 8, wherein the processor (210) is further
5 configured to:

transmit a third print request comprising the first data, to the EDC terminal (206) to print the first data, upon completion of the payment transaction.

10. The printer driver unit (204) as claimed in claim 8, wherein the first data comprises purchase data and the final transaction amount associated with the purchase data.

- 10 11. The printer driver unit (204) as claimed in claim 8, wherein the status of the EDC terminal (206) is one of the first state indicative of a print acceptance state or a second state indicative of a normal state.

12. The printer driver unit (204) as claimed in claim 11, wherein, upon determining the status of the EDC terminal (206) to be in the second state, the processor (210) is further
15 configured to:

transmit a state change command to the EDC terminal (206) to convert the EDC terminal (206) from the second state to the first state.

13. The printer driver unit (204) as claimed in claim 8, wherein the processor (210) is further configured to detect, product type of the EDC terminal (206), prior to determination of the
20 status of the EDC terminal (206), wherein the printer driver unit (204) communicates with the EDC terminal (206) when the product type of the EDC terminal (206) corresponds to a pre-defined product range.

14. The printer driver unit (204) as claimed in claim 8, wherein, for extracting the final transaction amount, the processor (210) is configured to analyse the received first data
25 using at least one of a visual mark-up technique, a geometric learning technique, and an algebraic learning technique.