CLAIMS

1. A system for transforming an initial portfolio into a transformed portfolio, said initial portfolio having an initial settlement price, the system comprising:

an electronic exchange server comprising one or more computer devices, each comprising a processing component executing computer-readable instructions that causes the electronic server to:

receive one or more buy or sell orders of the initial portfolio to be transformed;

determine an imbalance of the received one or more buy or sell orders;

transmit, over an Internet communication channel, a request for one or more offsetting buy or sell orders to offset the imbalance within a predefined time window;

receive one or more offsetting buy or sell orders to offset the imbalance during or before the predefined time window;

compare data of the one or more buy or sell orders with data of the one or more offsetting buy or sell orders;

pair the one or more buy or sell orders with the one or more offsetting buy or sell orders until the imbalance is completely offset;

determine a final auction price based on the paired orders;

determine an adjustment amount based on the final auction price and a fixings price;

apply the adjustment amount to the initial settlement price to determine a final settlement price; and

apply the final settlement price to the initial portfolio to transform the initial portfolio into the transformed portfolio.

2. The system of Claim 1, wherein the processing component executes computer-readable instructions that further causes the electronic server to:

sort the one or more offsetting buy or sell orders, according to price, from highest price to lowest price or vice versa; and

pair the received buy or sell orders with the sorted offsetting buy or sell orders.

3. The system of Claim 1, wherein the one or more buy or sell orders comprise Trade Swap at Settlement (TSAS) orders, and the one or more offsetting buy or sell orders comprise limit orders.

4. The system of Claim 3, wherein the Trade Swap at Settlement (TSAS) orders are traded on a swap execution facility (SEF).

5. The system of Claim 4, wherein the swap execution facility (SEF) prevents submission of one or more Trade Swap at Settlement (TSAS) orders that exceed a size of the initial portfolio.

6. The system of Claim 1, wherein if the one or more buy orders have a notional that is equal to a notional of the one or more sell orders, a final settlement price of the transformed portfolio is determined to be an underlying asset fixings price.

7. The system of Claim 1, wherein the processing component executes computer-readable instructions that further causes the electronic server to:

determine a time period for submission of the one or more buy or sell orders or the one or more offsetting buy or sell orders.

8. The system of Claim 1, wherein the adjustment amount comprises a difference between the final auction price and the initial settlement price.

9. A computer-implemented method for transforming an initial portfolio into a transformed portfolio via an electronic exchange server, said initial portfolio having an initial settlement price, the electronic exchange server comprising one or more computer devices, each comprising a processing component executing computer-readable instructions that cause the electronic exchange server to perform the steps of:

receiving, by the electronic exchange server, one or more buy or sell orders of the initial portfolio to be transformed;

determining, by the electronic exchange server, an imbalance in orders of the received one or more buy or sell orders;

transmitting, over an Internet communication channel by the electronic exchange server, a request for one or more offsetting buy or sell orders to offset the imbalance within a predefined time window;

receiving, by the electronic exchange server, one or more offsetting buy or sell orders to offset the imbalance during or before the predefined time window;

comparing, by the electronic exchange server, data of the one or more buy or sell orders with data of the one or more offsetting buy or sell orders;

pairing, by the electronic exchange server, the one or more buy or sell orders with the one or more offsetting buy or sell orders until the imbalance is completely offset;

determining, by the electronic exchange server, a final auction price based on the paired orders;

determining, by the electronic exchange server, an adjustment amount based on the final auction price and a fixings price;

applying, by the electronic exchange server, the adjustment amount to the initial settlement price to determine a final settlement price; and

applying, by the electronic exchange server, the final settlement price to the initial portfolio to transform the initial portfolio into the transformed portfolio.

10. The method of Claim 9, further comprising:

sorting, by the electronic exchange server, the one or more offsetting buy or sell orders, according to price, from highest price to lowest price or vice versa; and

pairing, by the electronic exchange server, the received buy or sell orders with the sorted offsetting buy or sell orders.

11. The method of Claim 9, wherein the one or more buy or sell orders comprise Trade Swap at Settlement (TSAS) orders, and the one or more offsetting buy or sell orders comprise limit orders.

12. The method of Claim 11, wherein the Trade Swap at Settlement (TSAS) orders are traded on a swap execution facility (SEF).

13. The method of Claim 12, wherein the swap execution facility (SEF) prevents submission of one or more Trade Swap at Settlement (TSAS) orders that exceed a size of the initial portfolio.

14. The method of Claim 9, wherein if the one or more buy orders comprise a notional that is equal to a notional of the one or more sell orders, a final settlement price of the transformed portfolio is determined to be an underlying asset fixings price.

15. The method of Claim 9, further comprising:

determining, by the electronic exchange server, a time period for submission of the one or more buy or sell orders or the one or more offsetting buy or sell orders.

16. The method of Claim 9, wherein the adjustment amount comprises a difference between the final auction price and the initial settlement price.

17. A non-transitory computer-readable storage medium programmed to include instructions that, when executed by a processing device, cause the processing device to facilitate asset based transactions according to a method comprising the steps of:

receiving one or more buy or sell orders of an initial portfolio to be transformed, said initial portfolio having an initial settlement price;

determining an imbalance in the received one or more buy or sell orders;

transmitting, over an Internet communication channel, a request for one or more offsetting buy or sell orders to offset the imbalance within a predefined time window;

receiving one or more offsetting buy or sell orders to offset the imbalance during or before the predefined time window;

comparing data of the one or more buy or sell orders with data of the one or more offsetting buy or sell orders;

pairing the one or more buy or sell orders with the one or more offsetting buy or sell orders until the imbalance is completely offset;

determining a final auction price based on the paired orders;

determining an adjustment amount based on the final auction price and a fixings price;

applying the adjustment amount to the initial settlement price to determine a final settlement price; and

applying the final settlement price to the initial portfolio to transform the initial portfolio into a transformed portfolio.