CLAIMS

1. A method of configuring a battery portfolio based on battery valuation which ascertains operational capacity of a target battery for secondary life cycle energy storage of electric vehicle batteries, characterized in that the method comprising:

(i) receiving, by a computing apparatus for generating a battery portfolio, information on a target battery which is a target for allocation to the battery portfolio,

wherein the information on the target battery includes battery value data based on a first battery value data which is derived from a first battery value evaluation data and a second battery value data which is derived from a second battery value evaluation data,

wherein the first battery value evaluation data comprises vehicle driving data that includes vehicle speed, vehicle mileage and vehicle charging data; and

(ii) generating, by the computing apparatus for generating a battery portfolio, the battery portfolio through classification of the target battery,

wherein the classification of the target battery includes a primary classification performed based on battery valuation and a secondary classification performed based on a predicted depreciation rate,

wherein the predicted depreciation rate represents a decrease in battery value caused by the use of the target battery during driving, and

wherein the predicted depreciation rate is determined based on a driving condition and a driving mileage.

2. The method of claim 2, further comprising adjusting, by the apparatus for generating a battery portfolio, the battery portfolio,

wherein the adjusting of the battery portfolio includes exchange adjustment between batteries and adjustment of the predicted depreciation rate.

3. A computing apparatus for generating a battery portfolio configured to set a battery portfolio based on battery valuation which ascertains operational capacity of a target battery for secondary life cycle energy storage of electric vehicle batteries, characterized in that the computing apparatus comprising:

a target battery determination unit configured to receive information in real-time on target battery which is a target for allocation to the battery portfolio via a communication link,

wherein the information on the target battery includes battery value data based on a first battery value data which is derived from a first battery evaluation data and a second battery value data which is derived from a second battery evaluation data,

wherein the first battery evaluation data comprises vehicle driving data that includes vehicle speed, vehicle acceleration, vehicle mileage and vehicle charging data; and

a battery portfolio generation unit configured to generate the battery portfolio based on the classification of the target battery,

wherein the classification of the target battery includes a primary classification performed based on battery valuation and a secondary classification performed based on a predicted depreciation rate,

wherein the predicted depreciation rate represents a decrease in battery value caused by the use of the target battery during driving, and

wherein the predicted depreciation rate is determined based on a driving condition and a driving mileage.

4. The computing apparatus of claim 3, wherein the computing apparatus further comprising a battery portfolio adjustment unit configured to adjust the battery portfolio,

wherein the adjustment of the battery portfolio includes exchange adjustment between batteries and adjustment of the predicted depreciation rate.