CLAIMS

1. A standard diamond parcel certification device comprising:

a qualification analysis module for passing a parcel of diamonds if each of a multiplicity of descriptive reports corresponding to each of a multiplicity of diamonds included within the parcel of diamonds indicates that the parcel of diamonds satisfies minimum qualifications;

a caratage analysis module for passing the parcel of diamonds if each of the multiplicity of descriptive reports indicates a carat weight within a one weight range of a plurality of weight ranges;

a type analysis module for passing the parcel of diamonds if each of the multiplicity of descriptive reports indicates a colour within a one colour range of a plurality of colour ranges;

a distribution analysis module for passing the parcel of diamonds if each of the multiplicity of descriptive reports indicates a unique colour and clarity combination;

a weighted average caratage analysis module for passing the parcel of diamonds if a sum of a weighted average caratage calculation for each of the multiplicity of descriptive reports exceeds a minimum amount corresponding to the one weight range of the plurality of weight ranges; and

a standard diamond parcel certification module for assigning a standard diamond parcel identification element to the parcel of diamonds if the parcel of diamonds is passed by the qualification analysis module, the caratage analysis module, the type analysis module, the distribution analysis module and the weighted average caratage analysis module.

2. The standard diamond parcel certification device according to claim 1 further comprising an exchange traded fund unit certification module for including the standard diamond parcel identification element within an exchange traded fund unit and communicating the exchange traded fund unit to an exchange traded fund market.

3. The standard diamond parcel certification device according to claim 1 wherein the one weight range does not overlap with another weight range of the plurality of weight ranges.

4. The standard diamond parcel certification device according to claim 1 wherein the one colour range does not overlap with another colour range of the plurality of colour ranges.

5. The standard diamond parcel certification device according to claim 4 wherein the one weight range does not overlap with another weight range of the plurality of weight ranges.

6. The standard diamond parcel certification device according to claim 1 wherein the multiplicity of descriptive reports consists of ten descriptive reports and each of the multiplicity of descriptive reports includes one of a multiplicity of colours and one of at least five clarity ratings including an IF clarity, a VSS1 clarity, a VSS2 clarity, a VS1 clarity and a VS2 clarity, and the one colour range includes a first colour and a second colour of the multiplicity of colours the second colour being of lower quality than the first colour, and the distribution analysis module passes the parcel of diamonds if

a first of the ten descriptive reports indicates the IF clarity and the first colour,
a second of the ten descriptive reports indicates the VVS1 clarity and the first colour,
a third of the ten descriptive reports indicates the VVS2 clarity and first colour,
a fourth of the ten descriptive reports indicates the VS1 clarity and the first colour,
a fifth of the ten descriptive reports indicates the VS2 clarity and the first colour,
a sixth of the ten descriptive reports indicates the IF clarity and the second colour,
a seventh of the ten descriptive reports indicates the VVS1 clarity and the second colour,
an eighth of the ten descriptive reports indicates the VVS2 clarity and the second colour,
a ninth of the ten descriptive reports indicates the VS1 clarity and the second colour, and
a tenth of the ten descriptive reports indicates the VS2 clarity and the second colour.

7. The standard diamond parcel certification device according to claim 6 wherein the plurality of weight ranges consists of seven weight ranges which do not overlap and

a first of the seven weight ranges has a 0.50 minimum carat weight and a 0.52 minimum amount,

a second of the seven weight ranges has a 0.75 minimum carat weight and a 0.77 minimum amount,

a third of the seven weight ranges has a 1.00 minimum carat weight and a 1.03 minimum amount,

a fourth of the seven weight ranges has a 1.25 minimum carat weight and a 1.28 minimum amount,

a fifth of the seven weight ranges has a 1.50 minimum carat weight and a 1.54 minimum amount,

a sixth of the seven weight ranges has a 1.75 minimum carat weight and a 1.79 minimum amount, and

a seventh of the seven weight ranges has a 2.00 minimum carat weight and a 2.05 minimum amount, and

the weighted average caratage calculation sums the product of 0.133 and the first descriptive report carat weight with the product of 0.123 and the second descriptive report carat weight with the product of 0.105 and the third descriptive report carat weight with the product of 0.087 and the fourth descriptive report carat weight with the product of 0.075 and the fifth descriptive report carat weight with the product of 0.120 and the sixth descriptive report carat weight with the product of 0.108 and the seventh descriptive report carat weight with the product of 0.097 and the eight descriptive report carat weight with the product of 0.081 and the ninth descriptive report carat weight with the product of 0.071 and the tenth descriptive report carat weight.

8. The standard diamond parcel certification device according to claim 2 wherein:

the qualification analysis module passes a second parcel of diamonds if each of a second multiplicity of descriptive reports corresponding to each of a second multiplicity of diamonds included within the second parcel of

diamonds indicates that the second parcel of diamonds satisfies the minimum qualifications,

the caratage analysis module passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a second carat weight within a second weight range of the plurality of weight ranges,

the type analysis module passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a colour within the one colour range of the plurality of colour ranges,

the distribution analysis module passes the second parcel of diamonds if each the multiplicity of descriptive reports indicates the unique colour and clarity combination,

the weighted average carat analysis module passes the second parcel of diamonds if the sum of the weighted average caratage calculation for each the second multiplicity of descriptive reports exceeds a second minimum amount corresponding to the second of the plurality of weight ranges,

the standard diamond parcel certification module assigns a second standard diamond parcel identification element to the second parcel of diamonds if the second parcel of diamonds is passed by the qualification analysis module, the caratage analysis module, the type analysis module, the distribution analysis module and the weighted average caratage analysis module, and

the exchange traded fund unit certification module includes the second standard diamond parcel identification element within the exchange traded fund unit.

9. The standard diamond parcel certification device according to claim 2 wherein:

the qualification analysis module passes a second parcel of diamonds if each of a second multiplicity of descriptive reports corresponding to each of a second multiplicity of diamonds included within the second parcel of diamonds indicates that the second parcel of diamonds satisfies the minimum qualifications,

the caratage analysis module passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a carat weight within the one weight range of the plurality of weight ranges,

the type analysis module passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a colour within a second colour range of the plurality of colour ranges,

the distribution analysis module passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates the unique colour and clarity combination,

the weighted average carat analysis module passes the second parcel of diamonds if the sum of the weighted average caratage calculation for each the second multiplicity of descriptive reports exceeds the minimum amount corresponding to the one of the plurality of weight ranges,

the standard diamond parcel certification module assigns a second standard diamond parcel identification element to the second parcel of diamonds if the second parcel of diamonds is passed by the qualification analysis module, the caratage analysis module, the type analysis module, the distribution analysis module and the weighted average caratage analysis module, and

the exchange traded fund unit certification module includes the second standard diamond parcel identification element within the exchange traded fund unit.

10. The standard diamond parcel certification device according to claim 2 wherein:

the qualification analysis module passes a second parcel of diamonds if each of a second multiplicity of descriptive reports corresponding to each of a second multiplicity of diamonds included within the second parcel of diamonds indicates that the second parcel of diamonds satisfies the minimum qualifications,

the caratage analysis module passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a carat weight within a second weight range of the plurality of weight ranges,

the type analysis module passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a colour within a second colour range of the plurality of colour ranges,

the distribution analysis module passes the parcel of diamonds if each of the second multiplicity of descriptive reports indicates the unique colour and clarity combination,

the weighted average carat analysis module passes the second parcel of diamonds if the sum of the weighted average caratage calculation for each the second multiplicity of descriptive reports exceeds a second minimum amount corresponding to the second weight range,

the standard diamond parcel certification module assigns a second standard diamond parcel identification element to the second parcel of diamonds if the second parcel of diamonds is passed by the qualification analysis module, the caratage analysis module, the type analysis module, the distribution analysis module and the weighted average caratage analysis module, and

the exchange traded fund unit certification module includes the second standard diamond parcel identification element within the exchange traded fund unit.

11. A standard diamond parcel certification method comprising:

passing a qualification analysis of a parcel of diamonds if each of a multiplicity of descriptive reports corresponding to each of a multiplicity of diamonds included within the parcel of diamonds indicates that the parcel of diamonds satisfies minimum qualifications;

passing a caratage analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a carat weight within a one weight range of a plurality of weight ranges;

passing a type analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a colour within a one colour range of a plurality of colour ranges;

passing a distribution analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates both a clarity range within a plurality of clarity ranges a unique colour and clarity combination;

passing a weighted average caratage analysis of the parcel of diamonds if a sum of a weighted average caratage calculation for each of the multiplicity of descriptive reports exceeds a minimum amount corresponding to the one weight range of the plurality of weight ranges; and

assigning a standard diamond parcel identification element to the parcel of diamonds if the parcel of diamonds is passed by the qualification analysis, the caratage analysis, the type analysis, the distribution analysis and the weighted average caratage analysis.

12. The method according to claim 11 further comprising:

including the standard diamond parcel identification element within an exchange traded fund unit; and

communicating the exchange traded fund unit to an exchange traded fund market.

13. The method according to claim 11 wherein the one colour range does not overlap with another colour range of the plurality of colour ranges.

14. The method according to claim 13 wherein the one weight range does not overlap with another weight range of the plurality of weight ranges.

15. The method according claim 14 wherein the plurality of weight ranges equals seven, the plurality of clarity ranges equals five, the multiplicity of diamonds included within the parcel equals six and the plurality of colour ranges equals six, each colour range having one unique colour, thereby providing for thirty five different types of standard diamond parcels of six diamonds of six unique colours within common weight and clarity ranges.

16. The method according claim 14 wherein the plurality of weight ranges equals seven, the multiplicity of diamonds included within the parcel equals ten and the plurality of colour ranges equals three, each colour range having two unique colours, thereby providing for twenty one different types of standard diamond parcels of ten diamonds with unique colour clarity combinations.

17. The method according to claim 11 further comprising the steps of:

packaging a plurality of standard diamond parcels into standard exchange traded fund parcel;

certifying the standard exchange traded fund parcel as an exchange traded fund unit; and

providing the exchange traded fund unit to an exchange traded fund market.

18. A durable, non-transitory computer readable storage medium comprising a computer program which instructs a computer to perform an automated method of aggregating data for a database, the method comprising:

passing a qualification analysis of a parcel of diamonds if each of a multiplicity of descriptive reports corresponding to each of a multiplicity of diamonds included within the parcel of diamonds indicates that the parcel of diamonds satisfies minimum qualifications;

passing a caratage analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a carat weight within a one weight range of a plurality of weight ranges;

passing a type analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a colour within a one colour range of a plurality of colour ranges;

passing a distribution analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a unique colour and clarity combination;

passing a weighted average caratage analysis of the parcel of diamonds if a sum of a weighted average caratage calculation for each of the multiplicity of descriptive reports exceeds a minimum amount corresponding to the one weight range of the plurality of weight ranges; and

assigning a standard diamond parcel identification element to the parcel of diamonds if the parcel of diamonds is passed by the qualification analysis, the caratage analysis, the type analysis, the distribution analysis and the weighted average caratage analysis.

19. The method according to claim 18 wherein the one colour range does not overlap with another colour range of the plurality of colour ranges, the one weight range does not overlap with another weight range of the plurality of weight ranges, and the plurality of weight ranges equals seven and the plurality of colour ranges equals three thereby providing for twenty one different types of standard diamond parcels.

20. The method according to claim 19 further comprising the steps of:

packaging a plurality of standard diamond parcels into standard exchange traded fund parcel;

certifying the standard exchange traded fund parcel as an exchange traded fund unit; and

providing the exchange traded fund unit to an exchange traded fund market.

CLAIMS

1. A standard diamond parcel certification device comprising:

a qualification analysis means for passing a parcel of diamonds if each of a multiplicity of descriptive reports corresponding to each of a multiplicity of diamonds included within the parcel of diamonds indicates that the parcel of diamonds satisfies minimum qualifications;

a caratage analysis means for passing the parcel of diamonds if each of the multiplicity of descriptive reports indicates a carat weight within a one weight range of a plurality of weight ranges;

a type analysis means for passing the parcel of diamonds if each of the multiplicity of descriptive reports indicates a colour within a one colour range of a plurality of colour ranges;

a distribution analysis means for passing the parcel of diamonds if each of the multiplicity of descriptive reports indicates a unique colour and clarity combination;

a weighted average caratage analysis means for passing the parcel of diamonds if a sum of a weighted average caratage calculation for each of the multiplicity of descriptive reports exceeds a minimum amount corresponding to the one weight range of the plurality of weight ranges; and

a standard diamond parcel certification means for assigning a standard diamond parcel identification element to the parcel of diamonds if the parcel of diamonds is passed by the qualification analysis means, the caratage analysis means, the type analysis means, the distribution analysis means and the weighted average caratage analysis means.

2. The standard diamond parcel certification device according to claim 1 further comprising an exchange traded fund unit certification means for including the standard diamond parcel identification element within an exchange traded fund unit and communicating the exchange traded fund unit to an exchange traded fund market.

3. The standard diamond parcel certification device according to claim 1 wherein the one weight range does not overlap with another weight range of the plurality of weight ranges.

4. The standard diamond parcel certification device according to claim 1 wherein the one colour range does not overlap with another colour range of the plurality of colour ranges.

5. The standard diamond parcel certification device according to claim 4 wherein the one weight range does not overlap with another weight range of the plurality of weight ranges.

6. The standard diamond parcel certification device according to claim 1 wherein the multiplicity of descriptive reports consists of ten descriptive reports and each of the multiplicity of descriptive reports includes one of a multiplicity of colours and one of at least five clarity ratings including an IF clarity, a VSS1 clarity, a VSS2 clarity, a VS1 clarity and a VS2 clarity, and the one colour range includes a first colour and a second colour of the multiplicity of colours the second colour being of lower quality than the first colour, and the distribution analysis means passes the parcel of diamonds if

a first of the ten descriptive reports indicates the IF clarity and the first colour,
a second of the ten descriptive reports indicates the VVS1 clarity and the first colour,
a third of the ten descriptive reports indicates the VVS2 clarity and first colour,
a fourth of the ten descriptive reports indicates the VS1 clarity and the first colour,
a fifth of the ten descriptive reports indicates the VS2 clarity and the first colour,
a sixth of the ten descriptive reports indicates the IF clarity and the second colour,
a seventh of the ten descriptive reports indicates the VVS1 clarity and the second colour,
an eighth of the ten descriptive reports indicates the VVS2 clarity and the second colour,
a ninth of the ten descriptive reports indicates the VS1 clarity and the second colour, and
a tenth of the ten descriptive reports indicates the VS2 clarity and the second colour.

7. The standard diamond parcel certification device according to claim 6 wherein the plurality of weight ranges consists of seven weight ranges which do not overlap and

a first of the seven weight ranges has a 0.50 minimum carat weight and a 0.52 minimum amount,

a second of the seven weight ranges has a 0.75 minimum carat weight and a 0.77 minimum amount,

a third of the seven weight ranges has a 1.00 minimum carat weight and a 1.03 minimum amount,

a fourth of the seven weight ranges has a 1.25 minimum carat weight and a 1.28 minimum amount,

a fifth of the seven weight ranges has a 1.50 minimum carat weight and a 1.54 minimum amount,

a sixth of the seven weight ranges has a 1.75 minimum carat weight and a 1.79 minimum amount, and

a seventh of the seven weight ranges has a 2.00 minimum carat weight and a 2.05 minimum amount, and

the weighted average caratage calculation sums the product of 0.133 and the first descriptive report carat weight with the product of 0.123 and the second descriptive report carat weight with the product of 0.105 and the third descriptive report carat weight with the product of 0.087 and the fourth descriptive report carat weight with the product of 0.075 and the fifth descriptive report carat weight with the product of 0.120 and the sixth descriptive report carat weight with the product of 0.108 and the seventh descriptive report carat weight with the product of 0.097 and the eight descriptive report carat weight with the product of 0.081 and the ninth descriptive report carat weight with the product of 0.071 and the tenth descriptive report carat weight.

8. The standard diamond parcel certification device according to claim 2 wherein:

the qualification analysis means passes a second parcel of diamonds if each of a second multiplicity of descriptive reports corresponding to each of a second multiplicity of diamonds included within the second parcel of

diamonds indicates that the second parcel of diamonds satisfies the minimum qualifications,

the caratage analysis means passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a second carat weight within a second weight range of the plurality of weight ranges,

the type analysis means passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a colour within the one colour range of the plurality of colour ranges,

the distribution analysis means passes the second parcel of diamonds if each the multiplicity of descriptive reports indicates the unique colour and clarity combination,

the weighted average carat analysis means passes the second parcel of diamonds if the sum of the weighted average caratage calculation for each the second multiplicity of descriptive reports exceeds a second minimum amount corresponding to the second of the plurality of weight ranges,

the standard diamond parcel certification means assigns a second standard diamond parcel identification element to the second parcel of diamonds if the second parcel of diamonds is passed by the qualification analysis means, the caratage analysis means, the type analysis means, the distribution analysis means and the weighted average caratage analysis means, and

the exchange traded fund unit certification means includes the second standard diamond parcel identification element within the exchange traded fund unit.

9. The standard diamond parcel certification device according to claim 2 wherein:

the qualification analysis means passes a second parcel of diamonds if each of a second multiplicity of descriptive reports corresponding to each of a second multiplicity of diamonds included within the second parcel of diamonds indicates that the second parcel of diamonds satisfies the minimum qualifications,

the caratage analysis means passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a carat weight within the one weight range of the plurality of weight ranges,

the type analysis means passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a colour within a second colour range of the plurality of colour ranges,

the distribution analysis means passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates the unique colour and clarity combination,

the weighted average carat analysis means passes the second parcel of diamonds if the sum of the weighted average caratage calculation for each the second multiplicity of descriptive reports exceeds the minimum amount corresponding to the one of the plurality of weight ranges,

the standard diamond parcel certification means assigns a second standard diamond parcel identification element to the second parcel of diamonds if the second parcel of diamonds is passed by the qualification analysis means, the caratage analysis means, the type analysis means, the distribution analysis means and the weighted average caratage analysis means, and

the exchange traded fund unit certification means includes the second standard diamond parcel identification element within the exchange traded fund unit.

10. The standard diamond parcel certification device according to claim 2 wherein:

the qualification analysis means passes a second parcel of diamonds if each of a second multiplicity of descriptive reports corresponding to each of a second multiplicity of diamonds included within the second parcel of diamonds indicates that the second parcel of diamonds satisfies the minimum qualifications,

the caratage analysis means passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a carat weight within a second weight range of the plurality of weight ranges,

the type analysis means passes the second parcel of diamonds if each of the second multiplicity of descriptive reports indicates a colour within a second colour range of the plurality of colour ranges,

the distribution analysis means passes the parcel of diamonds if each of the second multiplicity of descriptive reports indicates the unique colour and clarity combination,

the weighted average carat analysis means passes the second parcel of diamonds if the sum of the weighted average caratage calculation for each the second multiplicity of descriptive reports exceeds a second minimum amount corresponding to the second weight range,

the standard diamond parcel certification means assigns a second standard diamond parcel identification element to the second parcel of diamonds if the second parcel of diamonds is passed by the qualification analysis means, the caratage analysis means, the type analysis means, the distribution analysis means and the weighted average caratage analysis means, and

the exchange traded fund unit certification means includes the second standard diamond parcel identification element within the exchange traded fund unit.

11. A standard diamond parcel certification method comprising the computer implemented steps of:

passing a qualification analysis of a parcel of diamonds if each of a multiplicity of descriptive reports corresponding to each of a multiplicity of diamonds included within the parcel of diamonds indicates that the parcel of diamonds satisfies minimum qualifications;

passing a caratage analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a carat weight within a one weight range of a plurality of weight ranges;

passing a type analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a colour within a one colour range of a plurality of colour ranges;

passing a distribution analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates both a clarity range within a plurality of clarity ranges a unique colour and clarity combination;

passing a weighted average caratage analysis of the parcel of diamonds if a sum of a weighted average caratage calculation for each of the multiplicity of descriptive reports exceeds a minimum amount corresponding to the one weight range of the plurality of weight ranges; and

assigning a standard diamond parcel identification element to the parcel of diamonds if the parcel of diamonds is passed by the qualification analysis, the caratage analysis, the type analysis, the distribution analysis and the weighted average caratage analysis.

12. The method according to claim 11 further comprising:

including the standard diamond parcel identification element within an exchange traded fund unit; and

communicating the exchange traded fund unit to an exchange traded fund market.

13. The method according to claim 11 wherein the one colour range does not overlap with another colour range of the plurality of colour ranges.

14. The method according to claim 13 wherein the one weight range does not overlap with another weight range of the plurality of weight ranges.

15. The method according claim 14 wherein the plurality of weight ranges equals seven, the plurality of clarity ranges equals five, the multiplicity of diamonds included within the parcel equals six and the plurality of colour ranges equals six, each colour range having one unique colour, thereby providing for thirty five different types of standard diamond parcels of six diamonds of six unique colours within common weight and clarity ranges.

16. The method according claim 14 wherein the plurality of weight ranges equals seven, the multiplicity of diamonds included within the parcel equals ten and the plurality of colour ranges equals three, each colour range having two unique colours,

thereby providing for twenty one different types of standard diamond parcels of ten diamonds with unique colour clarity combinations.

17. The method according to claim 11 further comprising the steps of:

packaging a plurality of standard diamond parcels into standard exchange traded fund parcel;

certifying the standard exchange traded fund parcel as an exchange traded fund unit; and

providing the exchange traded fund unit to an exchange traded fund market.

18. A durable, non-transitory computer readable storage medium comprising a computer program which instructs a computer to perform an automated method of aggregating data for a database, the method comprising:

passing a qualification analysis of a parcel of diamonds if each of a multiplicity of descriptive reports corresponding to each of a multiplicity of diamonds included within the parcel of diamonds indicates that the parcel of diamonds satisfies minimum qualifications;

passing a caratage analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a carat weight within a one weight range of a plurality of weight ranges;

passing a type analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a colour within a one colour range of a plurality of colour ranges;

passing a distribution analysis of the parcel of diamonds if each of the multiplicity of descriptive reports indicates a unique colour and clarity combination;

passing a weighted average caratage analysis of the parcel of diamonds if a sum of a weighted average caratage calculation for each of the multiplicity of descriptive reports exceeds a minimum amount corresponding to the one weight range of the plurality of weight ranges; and

assigning a standard diamond parcel identification element to the parcel of diamonds if the parcel of diamonds is passed by the qualification

analysis, the caratage analysis, the type analysis, the distribution analysis and the weighted average caratage analysis.

19. The method according to claim 18 wherein the one colour range does not overlap with another colour range of the plurality of colour ranges, the one weight range does not overlap with another weight range of the plurality of weight ranges, and the plurality of weight ranges equals seven and the plurality of colour ranges equals three thereby providing for twenty one different types of standard diamond parcels.

20. The method according to claim 19 further comprising the steps of:

packaging a plurality of standard diamond parcels into standard exchange traded fund parcel;

certifying the standard exchange traded fund parcel as an exchange traded fund unit; and

providing the exchange traded fund unit to an exchange traded fund market.