CLAIMS

1. A method for producing agglomerate from a feedstock comprising at least one biomass stream, the method comprising the steps of:

   combining the feedstock with one or more binding reagents; and

   introducing the feedstock into an agglomeration apparatus in the presence of a polymerisation activator to produce the agglomerates,

   wherein the one or more binders are selected from the group comprising: styrene monomer compounds, silane monomer compounds, vinyl monomer compounds, carboxylic acids, sulphonic acids, dialkylaminoalkyl (meth) -acrylamides and -acrylates, diallyl dimethyl ammonium chloride, (meth) acrylic esters, methacrylamide and acrylamide.

2. A method according to claim 1, wherein the step of combining the feedstock with the one or more binding reagents occurs prior to the step of introducing the feedstock into an agglomeration apparatus to produce the agglomerates, such that the method comprises the steps of:

   combining the feedstock with one or more binding reagents to produce an agglomeration mixture; then

   introducing the agglomeration mixture into an agglomeration apparatus in the presence of a polymerisation activator to produce the agglomerates.

3. A method according to claim 1 or 2, wherein the polymerisation activator is contacted with the feedstock and the one or more binding reagents prior to the step of introducing the feedstock into an agglomeration apparatus to produce the agglomerates.

4. A method according to claim 1 or 2, wherein the polymerisation activator is contacted with the feedstock and the one or more binding reagents simultaneous to, or after the feedstock is introduced into the agglomeration apparatus.

5. A method according to any one of the preceding claims, wherein one or more further biomass streams and/or binding reagents are combined with the agglomeration mixture prior to the step of:

   introducing the agglomeration mixture into an agglomeration apparatus in the presence of a polymerisation activator to produce the agglomerates.

6. A method according to any of the preceding claims, wherein the one or more binding reagents comprise a reagent that is able to polymerise or cross-link.

7. A method according to any of the preceding claims, wherein the one or more binding reagents is a monomer based compound.

8. A method according to any of the preceding claims, wherein the one or more binding reagents is a styrene monomer compound or a silicon monomer compound.

9. A method according to any of the preceding claims, wherein the one or more binding reagents further comprises a surfactant.

10. A method according to any of the preceding claims, wherein the polymerisation activator is a substance which initiates the polymerisation or cross-linkingof the one or more binding reagents.

11. A method according to any of the preceding claims, wherein the polymerisation activator is a monomer cross-linking compound.

12. A method according to any of the preceding claims, wherein the agglomerates may undergo further treatment to harden or seal the outer layer of the agglomerates.

13. A method according to claim 14, wherein the further treatment comprises the application of a surface modifier to the surface of the agglomerates.

14. A method according to any of the preceding claims, wherein the method further comprises the contact of one or more binding reagents with an initiator reagent.

15. A method according to any of the preceding claims, wherein the method further comprises the step of:

    pre-treatment of the feedstock.

16. A method according to claim 16, wherein the step of pre-treatment of the feedstock occurs prior to the step of combining the feedstock with one or more binding reagents.

17. A method according to any one of claims 15 or 16, wherein the step of pre-treatment of the feedstock more specifically comprises one of more of screening, shredding, grinding or size reduction of the feedstock.

18. A method according to any one of claims 15 to 17, wherein the feedstock has a water content range of 5% to 80% moisture following the pre-treatment step.

19. A method according to any of the preceding claims, wherein the feedstock has a carbon content range of 15% to 98% following properties following the pre-treatment step.

20. A method according to any of the preceding claims, wherein the method comprises the step of:

    curing the agglomerates.

21. A method according to claim 20, wherein the step of curing the agglomerates further comprises the step of:

polishing the agglomerates for a polishing period.

22. A method according to claim 20 or 21, wherein the step of curing the agglomerates comprises the step of:

    coating the agglomerates with a desiccation material.

23. A method according to any of the preceding claims, wherein the agglomerates is a pellet or a granule.

24. A method according to claim, wherein the agglomerates are suitable for use as combustible fuel source.