What is claimed is:

1. A composition comprising paraffins falling in the C_{12}-C_{24} range, wherein:

the composition is undistilled;

at least 75 wt % of the composition comprises even carbon number paraffins;

the paraffins and the even carbon number paraffins are produced from a renewable biological feedstock by a process comprising hydrogenation and hydrogenolysis; and

the even carbon number paraffins comprise n-dodecane and n-tetradecane.

2. The composition of claim 1, wherein the even carbon number paraffins further comprise n-hexadecane and n-octadecane.

3. The composition of claim 1, wherein at least 80 wt % of the composition is even carbon number paraffins.

4. The composition of claim 1, wherein the renewable biological feedstock is selected from the group consisting of vegetable oils, plant oils, algal oils, animal fats, tall oil fatty acid, products of the food industry, and a combination of any two or more thereof.

5. The composition of claim 1, wherein the renewable biological feedstock is selected from the groups consisting of soybean oil, corn oil, cottonseed oil, canola oil, coconut oil, sunflower oil, palm oil, palm kernel oil, rapeseed oil, and a

combination of any two or more thereof.

6. The composition of claim 1, wherein the renewable biological feedstock is selected from the group consisting of soybean oil, canola oil, palm oil, palm kernel oil, rapeseed oil, and a combination of any two or more thereof.

7. The composition of claim 1, wherein the renewable biological feedstock comprises palm oil.

8. A diesel fuel comprising the composition of claim 1.

9. A diesel fuel comprising the composition of claim 2.

10. A diesel fuel comprising the composition of claim 3.

11. A diesel fuel comprising the composition of claim 4.

12. A diesel fuel comprising the composition of claim 5.

13. A diesel fuel comprising the composition of claim 6.

14. A diesel fuel comprising the composition of claim 7.

15. A composition comprising paraffins falling in the C_{12}-C_{24} range, wherein:

the composition is undistilled;

at least 80 wt % of the composition comprises even carbon number paraffins;

the paraffins and the even carbon number paraffins are produced from a renewable biological feedstock by a process comprising hydrogenation and hydrogenolysis over a bimetallic catalyst; and

the even carbon number paraffins comprise n-hexadecane and n-octadecane.

16. The composition of claim 15, wherein the even carbon number paraffins further comprise n-dodecane and n-tetradecane.

17. The composition of claim 15, wherein the renewable biological feedstock is selected from the group consisting of vegetable oils, plant oils, algal oils, animal fats, tall oil fatty acid, products of the food industry, and a combination of any two or more thereof.

18. The composition of claim 15, wherein the renewable biological feedstock is selected from the groups consisting of soybean oil, corn oil, cottonseed oil, canola oil, coconut oil, sunflower oil, palm oil, palm kernel oil, rapeseed oil, and a combination of any two or more thereof.

19. The composition of claim 15, wherein the renewable biological feedstock is selected from the group consisting of soybean oil, canola oil, palm oil, palm kernel oil, rapeseed oil, and a combination of any two or more thereof.

20. The composition of claim 15, wherein the renewable biological feedstock comprises palm oil.

21. A diesel fuel derived from the composition of claim 15.

22. A diesel fuel derived from the composition of claim 16.