

1 What is claimed is:




2
3 1. A method comprising:

4 providing a user with access to a plurality of power providers;

5 allowing the user to purchase power from at least one power provider out
6 of the plurality of power providers; and

7 allowing the user to charge a vehicle's battery using the purchased power.
8

9 2. The method of claim 1, wherein the at least one power provider is another
10 user. 

11
12 3. The method of claim 1, wherein the at least one power provider is a power
13 utility company.
14

15 4. The method of claim 1, wherein the at least one power provider is user's
16 employer.
17

18 5. The method of any one of claims 1 to 5, the method further comprising:
19 allowing one or more power providers out of the plurality of power
20 providers to purchase power stored in the vehicle's battery.
21



22 ~~6. The method of any one of claims 1 to 5, wherein the one or more power~~
23 ~~providers are one or more other user.~~
24

25 ~~7. The method of any one of claims 1 to 5, wherein the one or more power~~
26 ~~providers are one or more power utility companies.~~
27

1 ~~8. The method of any one of claims 1 to 5, wherein the one or more power~~
2 ~~providers is user's employer.~~

3
4 9. The method of any one of claims 1 to 9, the method further comprising:
5 negotiating one or more parameters between the user and the at least one
6 power provider, wherein allowing the user to charge a vehicle's battery is based
7 on the one or more parameters.

8
9 ~~10. The method of any one of claims 1 to 5, the method further comprising:~~
10 ~~negotiating one or more parameters between the user and the one or more~~
11 ~~power providers, wherein allowing the one or more power providers out of the~~
12 ~~plurality of power providers to purchase power is based on the one or more~~
13 ~~parameters.~~

14
15 11. A system comprising:
16 a power connection configured to obtain power from at least one power
17 provider;
18 at least one power port configured to deliver power to at least one vehicle;
19 and
20 a database for storing one or more parameters associated with a user of a
21 system or associated with the at least one vehicle,
22 wherein the one or more parameters are agreed to by the user prior to
23 using the system,
24 wherein the system delivers power to the at least one vehicle based on the
25 one or more parameters.

1 12. The system of Claim 11, further comprising:

2 a controller configured to identity the user and retrieve the one or more
3 parameters from the database.

4



5 13. The system of any one of claims 11 ~~to 12~~, further comprising:

6 a network interface configured to allow the user or the at least one power
7 provider or a system administrator to remotely access the database or the one or
8 more parameters.

9

10 14. The system of any one of claims 11 ~~to 13~~, wherein the power connection is
11 configured to deliver power to the at least one power provider from the at least
12 one vehicle.

13

14 15. The system of any one of claims 11 ~~to 14~~, wherein the at least one power port
15 is configured to obtain power from the at least one vehicle.

16

17 16. The system of any one of claims 11 ¹⁵~~to 15~~, wherein the power from the at least
18 one vehicle is used to charge a battery or operate equipment.

19

20 17. The system of any one of claims 11 ~~to 16~~, further comprising:

21 an identification device configured to obtain identity of the user or the at
22 least one vehicle.

23

24 18. The system of any one of claims 11 ~~to 17~~, wherein the at least one power port
25 is configured to obtain data from the at least one vehicle.

26

1 19. The system of any one of claims 11 to 18, wherein the data is user's
2 identification, the at least one vehicle's power requirements, or any other
3 information that would allow the system to identify the one or more parameters.
4

5 20. The system of claim 11, wherein the at least one power provider is another
6 user's vehicle.
7

8 21. The system of claim 11, wherein the at least one power provider is a power
9 utility company.
10

11 22. The system of claim 11, wherein the at least one power provider is the user's
12 employer.
13

14 23. The system of any one of claims 11 to 22, wherein the one or more parameters
15 govern relationship between the user and the at least one power provider.
16

17 24. The system of any one of claims 11 to 23, wherein the one or more parameters
18 specify identity of the user or the power provider
19

20 25. The system of any one of claims 11 to 24, wherein the one or more parameters
21 specify an amount of power to be delivered to the at least one vehicle.
22

23 26. The system of any one of claims 11 to 25, wherein the one or more parameters
24 specify cost for the power to be delivered to the at least one vehicle.
25

26 27. The system of any one of claims 11 to 26, wherein the one or more parameters
27 specify rate at which power to be delivered to the at least one vehicle.

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2 28. The system of any one of claims 11 to 27, wherein the one or more parameters
3 specify access levels.

4

5 29. The system of any one of claims 15 to 28, wherein the one or more parameters
6 specify amount of power to be obtained from the at least one vehicle.

7

8 30. The system of any one of claims 15 to 28, wherein the one or more parameters
9 specify payment for power obtained from the at least one vehicle.

10

11 31. The method of any one of claims 11 to 30, wherein the at least one power
12 provider is another vehicle.

13

14 32. The method of any one of claims 11 to 31, wherein the at least one power
15 provider is a power utility company.

16

17 33. A method comprising:

18 providing a user with access to a plurality of power providers;

19 allowing the user to purchase power from at least one power provider out

20 of the plurality of power providers; and

21 allowing the user to charge a battery or operate equipment using the

22 purchased power.

23

24 34. The method of claim 33, wherein the at least one power provider is a battery
25 of a vehicle.

26

1 35. The method of claim 33, wherein the at least one power provider is a power
2 utility company.

4 36. The method of claim 33, wherein the at least one power provider is the user's
5 employer.

7 37. The method of any one of claims 33 to 36, wherein the equipment is air
8 conditioner, medical equipment, appliances, or any other devices requiring
9 power to operate.

11 38. The method of any one of claims 33 to 37, wherein the user is a person,
12 business, hospital or store.

14 39. A method comprising:
15 retrieving one or more parameters associated with a user, wherein the one
16 or more parameters are agreed to by the user prior to using a system; and
17 deliver power to the user's vehicle based on the one or more parameters.

19 40. The method of Claim 39, the method further comprising:
20 obtaining power from the user's vehicle based on the one or more
21 parameters.

23 41. The method of any one of claims 39 to 40, the method further comprising:
24 identifying a power provider, wherein the power delivered to the user's
25 vehicle is from the power provider.

27 42. The method of any one of claims 39 to 41, the method further comprising:

1 allowing the user to negotiate or accept predetermined the one or more
2 parameters.

3
4 43. The method of any one of claims 39 to 42, the method further comprising:
5 determining validity of the one or more parameters;
6 determining the amount of power to be delivered to the user's vehicle;
7 determining expected available power;
8 determining completion time for delivering power to the user's vehicle;
9 and
10 displaying the completion time to the user.

11
12 44. A method comprising:
13 allowing a user to negotiate one or more parameters with at least one
14 power provider; and
15 allowing the user to purchase power from the at least one power provider
16 based on the one or more parameters.

17
18 45. The method of Claim 44, the method further comprising:
19 allowing the user to charge a battery or operate equipment using the
20 purchased power.

21
22 46. A system comprising:
23 a bidirectional power connection configured to obtain power from and
24 deliver power to at least one power provider; and
25 at least one bidirectional power port configured to deliver power to and
26 obtain power from at least one vehicle,

1 wherein power obtained from the at least one power provider is delivered
2 to the at least one vehicle and wherein the power obtained from the at least one
3 vehicle is delivered to the at least one power provider.

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