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AMENDED CLAIMS

1. An unmanned aerial vehicle charging module comprising an unmanned aerial vehicle that comprises a first unmanned aerial vehicle electrode and a second unmanned aerial vehicle electrode, and

a landing platform that comprises

- a landing area for receiving the unmanned aerial vehicle, wherein the landing area comprises a predetermined charging region,
- a first charging plate,
- a second charging plate,

wherein the first charging plate and the second charging plate are arranged in the predetermined charging region,

- an electrical energy storage device for connecting electrically with the first charging plate and with the second charging plate, and
- an unmanned aerial vehicle alignment mechanism for moving the unmanned aerial vehicle into the predetermined charging region,

wherein the first unmanned aerial vehicle electrode electrically connects with the first charging plate and the second unmanned aerial vehicle electrode electrically connects with the second charging plate,

wherein the unmanned aerial vehicle alignment mechanism comprises

- a first beam,
- a second beam,
- a third beam,
- a fourth beam, and

- an actuation device for actuating at least two of the first beam, the second beam, the third beam, and the fourth beam to push the unmanned aerial vehicle into the charging region.

2. An unmanned aerial vehicle charging module comprising a landing platform that comprises
- a landing area for receiving an unmanned aerial vehicle, wherein the landing area comprises a predetermined charging region,
- a first charging plate,
- a second charging plate,

wherein the first charging plate and the second charging plate are arranged in the predetermined charging region,
- an electrical energy storage device for connecting electrically with the first charging plate and with the second charging plate, and
- an unmanned aerial vehicle alignment mechanism for moving the unmanned aerial vehicle into the predetermined charging region,

wherein a first unmanned vehicle electrode of the unmanned aerial vehicle electrically connects with the first charging plate and a second unmanned aerial vehicle electrode of the unmanned aerial vehicle electrically connects with the second charging plate,

wherein the unmanned aerial vehicle alignment mechanism comprises
- a first beam,
- a second beam,
- a third beam,
- a fourth beam, and

- an actuation device for actuating at least two of the first beam, the second beam, the third beam, and the fourth beam to push the unmanned aerial vehicle into the charging region.

3. The unmanned aerial vehicle charging module according to claim 1 or 2, wherein the first charging plate and the second charging plate are arranged essentially parallel to each other.

4. The unmanned aerial vehicle charging module according to one of claims 1 to 3, wherein the first beam is arranged substantially parallel to the second beam.

5. The unmanned aerial vehicle charging module according to claim 4, wherein the third beam is arranged substantially parallel to the fourth beam.

6. The unmanned aerial vehicle charging module according to claim 5, wherein the third beam is arranged substantially perpendicular to the first beam.

7. The unmanned aerial vehicle charging module according to one of claims 1 further comprising
a polarity switch for selectively connecting electrically the first charging plate with one of two terminals of the electrical energy storage device and for connecting electrically the second charging plate with the other one of the two terminals of the electrical energy storage device.

8. The unmanned aerial vehicle charging module according to one of the preceding claims, wherein the first charging

plate and the second charging plate comprises essentially non-magnetic electrically conductive material.

9. The unmanned aerial vehicle charging module according to claim 8, wherein the essentially non-magnetic electrically conductive material comprises austenitic stainless steel.

10. The unmanned aerial vehicle charging module according to one of the preceding claims, the landing platform further comprising a movable cover for covering the landing area .

11. The unmanned aerial vehicle charging module according to claim 10, wherein the movable cover comprises electrically insulating material.

12. The unmanned aerial vehicle charging module according to claim 11, wherein the electrically insulating material comprises canvas.

13. A storage unit for enclosing at least one unmanned aerial vehicle, the storage unit comprising

a container for enclosing the at least one unmanned aerial vehicle,

a first unmanned aerial vehicle charging module according to one of claims 10 to 12 for receiving the at least one unmanned aerial vehicle and for covering the received unmanned aerial vehicle,

at least one second unmanned aerial vehicle charging module according to one of claims 1 to 9 for receiving the at least one unmanned aerial vehicle, the at least one second unmanned aerial vehicle charging module being movable into and outside the container,

wherein the at least one second unmanned aerial vehicle charging module is adapted to be stacked vertically, the first unmanned aerial vehicle charging module is adapted to be vertically stacked on top of the at least one second unmanned aerial vehicle charging module,

a camera for receiving a beacon unit light signal from the unmanned aerial vehicle, and

an unmanned aerial vehicle controller for selecting one unmanned aerial vehicle module from a group consisting of the first unmanned aerial vehicle module and the at least one second unmanned aerial vehicle charging module, and for generating a unmanned aerial vehicle flight instruction for landing the unmanned aerial vehicle on the selected unmanned aerial vehicle charging module according to light signal data from the camera and for sending out the unmanned aerial vehicle flight instruction to the unmanned aerial vehicle.

14. The storage unit according to claim 13 further comprising a mechanism for moving the at least one second unmanned aerial vehicle charging module.

15. The storage unit according to one of claim 13 to 14 further comprising a wind speed sensor, wherein the controller module is further adapted for generating the unmanned aerial vehicle flight instruction according to wind speed data from the wind speed sensor.

16. The storage unit according to one of claims 13 to 15 further comprising
a wind direction sensor, wherein
the controller module is further adapted for generating the unmanned aerial vehicle flight instruction according to wind direction data from the wind direction sensor.

17. The storage unit according to one of claims 13 to 16 further comprising

a wireless communication unit for sending out the unmanned aerial vehicle flight instruction.