

CLAIMS

1. A solar electrical generator comprising an outer wall arranged to partially surround a cavity,
5 a hub within the cavity wherein the outer face of the wall is provided with solar cells and wherein at least one of the hub and the inner face of the wall are provided with solar cells.
2. A generator according to claim 1, wherein the hub has an upper face which is
10 provided with solar cells.
3. A generator according claim 1 or claim 2, wherein at least one of the hub and inner face of the outer wall are provided with a reflector.
- 15 4. A generator according to any one of the preceding claims, wherein the outer wall is formed of a curved frame to which a flexible solar fabric is attached.
5. A generator according to any one of the preceding claims, further comprising a power storage device within the hub.
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6. A generator according to any one of the preceding claims, wherein the outer wall is connected to the hub via one or more spokes.
7. A generator according to any one of the preceding claims, wherein the outer wall
25 subtends an angle of greater than 250° at the centre of the hub.
8. A generator according to claim 7, wherein the outer wall subtends an angle of greater than 280° at the centre of the hub.
- 30 9. A generator according to any preceding claim, wherein the outer wall subtends an angle of less than 320° at the centre of the hub.
10. A generator according to any preceding claim, wherein the outer wall is provided by a first panel and a second panel, each panel having a concave inner face and a

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convex outer face, the panels being horizontally spaced so that the concave faces face one another thereby defining the central cavity.

- 5 11. A generator according to any preceding claim, wherein the maximum width of the hub is less than half of the maximum width of the cavity.
12. A generator according to claim 11, wherein the maximum width of the hub is less than one third of the maximum width of the cavity.
- 10 13. A generator according to any preceding claim, wherein at least part of the outer wall is movable from a first position into a second position in which its outer face is closer to a vertical plane.
14. A generator according to claim 13, wherein the outer wall has an inner portion and an outer portion and the outer portion is movable, while the inner portion is static.
- 15 15. A generator according to claim 13 or claim 14, wherein the movable part of the outer wall is rotatable about a substantially horizontal axis adjacent to its uppermost edge.
- 20 16. A generator according to claims 13 to 15, wherein the movable part of the outer wall comprises a plurality of sections.
17. A generator according to any preceding claim, further comprising a time to control the movement of the movable part of the wall.
- 25 18. A solar electrical generator comprising an outer wall arranged to partially surround a cavity, wherein at least part of the outer wall is movable from a first position into a second position in which its outer face is closer to a vertical plane.
- 30 19. A generator according to any preceding claim, further comprising a wind turbine.