Claims

1. A vehicle, wherein the vehicle (1) comprises at least one receiving device (2) of a system for inductive power transfer, wherein the vehicle (1) comprises a cabin section (6), wherein at least one shielding layer (9a, b, 9c) is arranged between the receiving device (2) and the cabin section (6), wherein the vehicle (1) comprises a floor section (7), wherein the at least one shielding layer (9a, 9b, 9c) is integrated into the floor section (7) of the vehicle (1),
~~characterized in that~~wherein
a shielding layer comprises at least two separate layer elements (11a, 11b), wherein the at least two separate layer elements (11a, 11b) are arranged at different vertical positions along a vertical direction, wherein the at least two separate layer elements (11a, 11b) overlap at least partially,
characterized in that
the at least two separate layer elements butt against each other.

2. The vehicle according to claim 1, characterized in that the at least one shielding layer (9a, 9b, 9c) is made of an electrically conductive material.

3. The vehicle according to claim 1 or 2, characterized in that the vehicle (1) comprises at least two shielding layers (9a, 9b, 9c), wherein each of the at least two shielding layers (9a, 9b, 9c) is arranged between the receiving device (2) and the cabin section (1), wherein the shielding layers (9a, 9b, 9c) are spatially separated.

4. The vehicle according to one of the claims 1 to 3, characterized in that the different shielding layers (9a, 9b, 9c) overlap in a common plane of projection at least partially.

5. The vehicle according to one of the claims 1 to 4, characterized in that the at least one shielding layer (9a, 9b, 9c) provides a top layer, a bottom layer or an intermediate layer of the floor section (7).

6. The vehicle according to one of the claims 1 to 5, characterized in that the vehicle (1) comprises a vehicle chassis, wherein the at least one shielding layer (9a, 9b, 9c) is electrically connected to the vehicle chassis.

7. The vehicle according to one of the claims 1 to 6, characterized in that the vehicle (1) comprises a vehicle chassis, wherein the at least one shielding layer (9a, 9b, 9c) is mechanically connected to the vehicle chassis.

8. The vehicle according to one of the claims 1 to 7, characterized in that the vehicle (1) comprises a vehicle chassis, wherein the at least one shielding layer (9a, 9b, 9c) is arranged below at least a part of the vehicle chassis.

9. The vehicle according to one of the claims 1 to 8, characterized in that the at least one shielding layer (9a, 9b, 9c) has a length which is higher than or equal to a length of a secondary winding structure and/or a width which is higher than or equal to a width of a secondary winding structure.

10. A method of manufacturing a vehicle (1), comprising at least the steps of:
    - providing a cabin section (6),
    - providing a receiving device (2),
    - arranging the receiving device (2) below the cabin section (6),
    - providing at least one shielding layer (9a, 9b, 9c),
    - arranging the at least one shielding layer (9a, 9b, 9c) between the cabin section (6) and the receiving device (2), wherein the at least one shielding layer (9a, 9b, 9c) is integrated into a floor section (7) of the vehicle, wherein a shielding layer comprises at least two separate layer elements (11a, 11b), wherein the at least two separate layer elements (11a, 11b) are arranged at different vertical positions along a vertical direction, wherein the at least two separate layer elements (11a, 11b) overlap at least partially,
      characterized in that
      the at least two separate layer elements butt against each other.

11. The method according to claim 10, characterized in that at least two shielding layers (9a, 9b, 9c) are provided, wherein each of the shielding layers (9a, 9b, 9c) is arranged between the cabin section (6) and the receiving device (2).