CLAIMS

1. A contact device for being arranged on an electrically driven vehicle or on a charging station for an electrically driven vehicle, the contact device having at least two contact bar arrangements,

(a) wherein each of the at least two contact bar arrangements comprise:

(i) one contact bar carrier; and

(ii) at least one contact bar which is disposed on the contact bar carrier,

(1) wherein each of the at least one contact bar is electrically connectable to a charging contact of a charging contact carrier of a charging contact device of the charging station or to a contact bar of the vehicle;

(2) wherein each of the at least one contact bar having a connecting device for connecting the at least one contact bar to an electrical conductor; and

(3) wherein the electrical conductor is guidable towards the vehicle or towards the charging station; and

(b) wherein the connecting device comprises:

(i) a groove, which extends longitudinally in the at least one contact bar; and

(ii) a connecting element, which is attached to the groove, the connecting element connectable to the electrical conductor.

2. The contact device according to claim 1, wherein the groove is realized as a T-slot.

3. The contact device according to claim 1 or 2, wherein the connecting element is realized so as to be moveable along the groove.

4. The contact device according to any one of claims 1 to 3, wherein the connecting device has a conductor receptacle which is connected to the connecting element.

5. The contact device according to claim 4, wherein the conductor receptacle is detachably connected to the connecting element.

6. The contact device according to any one of claims 1 to 5, wherein two or more connecting elements are attached to the groove.

7. The contact device according to any one of the preceding claims, wherein a lower side of each of the at least one contact bar has the groove.

8. The contact device according to any one of the preceding claims, wherein a surface of an upper side of each of the at least one contact bar is realized so as to be sealed against an environment.

9. The contact device according to any one of the preceding claims, wherein each of the at least one contact bar has a heating device.

10. The contact device according to claim 9, wherein the heating device is realized by at least one heating wire which is integrated in the groove.

11. The contact device according to claim 10, wherein the heating wire is partly or fully moulded into a material which is introduced into the groove.

12. The contact device according to any one of the preceding claims, wherein the contact device comprises two contact units which each comprise two contact bar arrangements.

13. The contact device according to any one of the preceding claims, wherein the contact bar carriers are detachably connectable to each other.

14. The contact device according to any one of the preceding claims, wherein the contact bar carrier has a first supporting structure which is disposed on a first end of each of the at least one contact bar and a second supporting structure which is disposed on a second end of the contact bar.

15. The contact device according to any one of the preceding claims, wherein the connecting device has a T-slot nut.

16. The contact device of any one of the preceding claims, wherein the electrically driven vehicle is an electric bus.

17. An electrically driven vehicle having a contact device according to any one of claims 1 to 15.

18. The vehicle according to claim 17, wherein each of the at least two contact bar arrangements are disposed parallel to each other on the vehicle.

19. The vehicle according to claim 17, wherein the vehicle is an electric bus.

20. A charging station for an electrically driven vehicle having a contact device according to any one of claims 1 to 15.

21. The charging station according to claim 20, wherein the vehicle is an electric bus.