CLAIMS

1. A contact device ~~(39)~~ for being arranged on an electrically driven vehicle~~, in particular electric bus or the like,~~ or on a charging station for an electrically driven vehicle, the contact device having at least two contact bar arrangements ~~(10, 32, 40)~~,

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

(i) one contact bar carrier ~~(11)~~; and

(ii) at least one contact bar ~~(12)~~ which is disposed on the contact bar carrier, ~~and~~

(1) wherein each of the at least one contact bar~~which~~ 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 ~~(13, 35)~~ for connecting the at least one contact bar to an electrical conductor ~~(14, 41)~~; and~~,~~

(3) wherein the electrical conductor~~which~~ is guidable towards the vehicle or towards the charging station~~, ;characterized in that~~ and

(b) wherein the connecting device comprises:

(i) a groove ~~(15, 37)~~, which extends longitudinally in the at least one contact bar~~, ~~;

and

(ii) a connecting element ~~(16, 38)~~, which is attached to the groove, the connecting element connectable~~for being connected~~ to the electrical conductor.

2. The contact device according to claim 1, ~~characterized in that~~wherein the groove ~~(15, 37)~~ is realized as a T-slot.

3. The contact device according to claim 1 or 2, ~~characterized in that~~wherein the connecting element ~~(16, 38)~~ is realized so as to be moveable along the groove ~~(15, 37)~~.

4. The contact device according to any one of claims 1 to 3, ~~characterized in that~~wherein the connecting device ~~(13, 35)~~ has a conductor receptacle ~~(18)~~ which is connected to the connecting element ~~(16, 38)~~.

5. The contact device according to claim 4, ~~characterized in that~~wherein the conductor receptacle ~~(18)~~ is detachably connected to the connecting element ~~(16, 38)~~.

6. The contact device according to any one of claims 1 to 5, ~~characterized in that~~wherein two or more connecting elements ~~(16, 38)~~ are attached to the groove ~~(15, 37)~~.

7. The contact device according to any one of the preceding claims, ~~characterized in that~~wherein a lower side of each of the at least ~~the~~ one contact bar ~~(12)~~ has the groove ~~(15, 37)~~.

8. The contact device according to any one of the preceding claims, ~~characterized in that~~wherein a surface ~~(19)~~ of an upper side ~~(29)~~ of each of the at least one contact bar ~~(12)~~ is realized so as to be sealed against an environment.

9. The contact device according to any one of the preceding claims, ~~characterized in that~~wherein each of the at least one ~~the~~ contact bar ~~(12)~~ has a heating device ~~(27)~~.

10. The contact device according to claim 9, ~~characterized in that~~wherein the heating device ~~(27)~~ is realized by at least one heating wire ~~(28)~~ which is integrated in the groove ~~(15, 37)~~.

11. The contact device according to claim 10, ~~characterized in that~~wherein the heating wire ~~(28)~~ is ~~at least~~ partly or~~, preferably~~ fully~~,~~ moulded into a material ~~(29)~~ which is introduced into the groove ~~(15, 37)~~.

12. The contact device according to any one of the preceding claims, ~~characterized in that~~wherein the contact device ~~(39)~~ comprises two contact units ~~(42)~~ which each comprise two contact bar arrangements ~~(10, 32, 40)~~.

13. The contact device according to any one of the preceding claims, ~~characterized in that~~wherein the contact bar carriers ~~(11)~~ are detachably connectable to each other.

14. The contact device according to any one of the preceding claims, ~~characterized in that~~wherein the contact bar carrier ~~(11)~~ has a first supporting structure ~~(22, 33)~~ which is disposed on a first end ~~(21)~~ of each of the at least one contact bar ~~(12)~~ and a second supporting structure ~~(24)~~ which is disposed on a second end ~~(23)~~ of the contact bar.

15. The contact device according to any one of the preceding claims, ~~characterized in that~~wherein the connecting device ~~(13, 35)~~ 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.

~~16~~17. An electrically driven vehicle~~, in particular electric bus or the like,~~ having a contact device ~~(39)~~ according to any one of ~~the preceding~~ claims 1 to 15.

~~17~~18. The vehicle according to claim ~~16~~17, ~~characterized in that~~wherein each of the at least two contact bar arrangements ~~(10, 32, 40)~~ are disposed parallel to each other on the vehicle.

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

~~18~~20. A charging station for an electrically driven vehicle~~, in particular electric bus or the like,~~ having a contact device ~~(39)~~ according to any one of claims 1 to 15.

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