CLAIMS

1. An electric drive device comprising an electric motor (20) with a stator and a rotor arranged to rotate a drive shaft, wherein said electric motor (20) is arranged to be accommodated in a housing, further comprising ~~opposite gear housings surrounding the electric motor, each containing~~ a first and a second transmission configuration (60, 70), **characterized by** opposite gear housings (30a, 30b; 130a, 130b) surrounding the electric motor, each containing one of said transmission configurations (60, 70); and by a housing configuration (40; 140; 240) in which the electric motor (20) as well as said opposite gear housings (30a, 30b; 130a; 230a) are accommodated, wherein each gear housing (30a, 30b; 130a, 130b) is attached and hereby locked to said housing configuration (40; 140; 240), wherein a radially in the housing configuration running fastening plane (P1, P2) is disposed for each gear housing (30a, 30b; 140a, 230a), wherein the housing configuration is arranged to be attached in connection to said fastening plane (P1, P2) such that outer loads only affect the housing configuration while the electric motor is essentially unaffected wherein essentially no loads or only small loads are transmitted to the electric motor.

2. An electric drive device according to claim 1, wherein the respective gear housing (30a, 30b) is locked axially as well as circumferentially to said housing configuration (40).

3. An electric drive device according to claim 1, wherein the respective gear housing (30a, 30b) is attached to said housing configuration (40) by means of circumferentially distributed fastening elements.

4. An electric drive device according to claim 1 or 2, wherein the respective gear housing (130a; 230a) is attached to said housing configuration (140; 240) by means of a geometric locking.

5. An electric drive device according to any of claims 1-4, wherein said housing configuration (40) has an essentially ring-shaped cross section.

~~6. An electric drive device according to any of claims 1-5, wherein a radially in the housing configuration running fastening plane (P1, P2) is disposed for each gear housing (30a, 30b; 140a, 230a).~~

~~7. An electric drive device according to claim 6, wherein the housing configuration is arranged to be attached in connection to said fastening plane (P1, P2).~~

~~8.~~6. An electric drive device according to claim ~~6 or 7~~1, wherein the drive device is intended to be attached to said fastening plane (P1, P2) at a frame construction of a vehicle intended to be impelled by means of the drive device.

~~9.~~7. An electric drive device according to ~~any of claims 6-8~~claim 1, wherein the drive device comprises a drive shaft element (5) connected to said housing configuration (40) and wherein bending stresses in the drive shaft element are transmittable to said housing configuration (40).

~~10.~~8. An electric drive device according to claim ~~9~~7, wherein said drive shaft element (5) is arranged to run essentially transverse to the longitudinal direction of a vehicle (1) intended to be impelled by means of the drive device.

~~11.~~9. An electric drive device according to claim ~~9 or 10~~7 or 8, wherein said drive shaft element is arranged essentially coaxially to said electric motor (20).

~~12.~~10. An electric drive device according to any of claims 3-~~11~~9, wherein said fastening elements are arranged to run radially in the housing configuration and gear housings (30a, 30b).

~~13.~~11. An electric drive device according to any of claims 3-~~12~~10, wherein said fastening elements are intended to be introduced in essentially radially running openings of the housing configuration and gear housing (30a,

30b), wherein each opening of the housing configuration is wider than the respective corresponding opening of said gear housing (30a, 30b).

~~14.~~12. An electric drive device according to any of claims 3-~~13~~11, wherein said fastening element comprises screw joints.

~~15.~~13. An electric drive device according to any preceding claims, wherein the housing configuration, at the area of fastening of the housing configuration and gear housings (30a, 30b), has an internally concave bulge or the respective gear housing (30a, 30b) has en externally concave bulge.

~~16.~~14. An electric drive device according to any preceding claims, wherein the stator is attached to said gear housings (30a, 30b).

~~17.~~15. Motor vehicle comprising an electric drive unit according to any of claims 1-~~16~~14.