Claims

1.An electric motor scooter comprising:

an electric drive operable in a plurality of drive modes;

an electric battery;

an actuation unit configured to be brought into one of a plurality of different positions along an actuation distance; and

a control unit, wherein the control unit is configured to determine a position of the actuation unit and select a drive mode from the plurality of drive modes depending on the position of the actuation unit, wherein the plurality of drive modes comprises a recuperation mode, a coasting mode, and an acceleration mode, wherein, when the recuperation mode is selected, the control unit is configured to control the electric drive so that energy generated in the electric drive is delivered, at least partially, to the battery, and wherein, when the coasting mode is selected, substantially no torque is applied by the electric drive.

2.The electric motor scooter of claim 1, wherein, when the acceleration mode is selected, the control unit controls the electric drive and/or the battery such that an essentially linear dependence exists between the position of the actuation unit along the actuation distance and a torque applied by the electric drive according to $M(P)=k1*P+d$, wherein $M(P)$ is the torque, $k1$ is a first acceleration coefficient, P is the position of actuation unit, and d is a constant.

3. The electric motor scooter of claim 2, wherein the plurality of driving modes comprises a boost mode, wherein, when the boost mode is selected, the control unit is configured to control the electric drive and/or the battery such that an essentially linear dependence exists between the position of the actuation unit along the actuation distance and the torque applied by the electric drive according to M(P)=k2*P+d, wherein k2 is a second acceleration coefficient that is larger than the first acceleration coefficient k1.

4.The electric motor scooter of claim 3, wherein the first acceleration coefficient is smaller than the second acceleration coefficient by at least 10 or 20 or 30 or 50 percent.

5.The electric motor scooter of claim 3, wherein the control unit emits a signal to indicate whether the electric drive and/or the battery are in a state in which the boost mode can be selected.

6.The electric motor scooter of claim 5, wherein the control unit is configured to determine if the boost mode can be selected based on at least one of a period of time since a previous boost, a duration of the previous boost and a temperature of the battery and/or the drive.

7.The electric motor scooter of claim 5, wherein the signal emitted by the control unit indicates a period of time that the boost mode is available, and wherein the period of time is indicated on a display.

8. The electric motor scooter of claim 7, wherein the control unit controls the display to display one or more symbols to indicate the period of time.

9.The electric motor scooter of claim 3, wherein at least 10 percent of the actuation distance is assigned to the recuperation mode, at least 5 percent of the actuation distance is assigned to the coasting mode, at least 40 percent of the actuation distance is assigned to the acceleration mode, and at least 3 percent the actuation distance is assigned to the boost mode.

10.The electric motor scooter of claim 1, further comprising a smartphone holder, the smartphone holder comprising:

a foam container to receive a smartphone; and

a rotatably mounted and at least partially transparent cover constructed and arranged to press the smartphone against the foam container in a locked position.

11.The electric motor scooter of claim 10, wherein the cover comprises an upper flat section to cover an integrated display and a lower flat section to hold the smartphone, and wherein the upper and lower sections are arranged at a an obtuse angle relative to each other.

12.The electric motor scooter of claim 11, further comprising: one or more brackets for the rotational mounting located at an upper area of the upper section; and

a snap-in locking device in a lower area of the lower section to secure the cover.

13.An electric motor scooter comprising:

an electric drive operable in a plurality of drive modes;

an electric battery;

an actuation unit configured to be brought into one of a plurality of different positions along an actuation distance; and

a control unit, wherein the control unit is configured to determine a position of the actuation unit and select a drive mode from the plurality of drive modes depending on the position of the actuation unit, wherein the plurality of drive modes comprises a recuperation mode, a coasting mode, an acceleration mode, and a boost mode, wherein, when the recuperation mode is selected, the control unit is configured to control the electric drive so that energy generated in the electric drive is delivered, at least partially, to the battery, and wherein the control unit is configured to emit a signal to indicate whether the electric drive and/or the battery are in a state in which the boost mode can be selected.