CLAIMS

1. A height-adjustable table comprising:

    a tabletop;

    at least one extendable and retractable table leg provided to support the tabletop, the table leg defining a hollow channel therein, wherein the table leg comprises:

    a height-adjustment mechanism provided within the hollow channel to actuate extension and retraction of the table leg;

    an electric motor provided to drive the height-adjustment mechanism;

    a top electrical socket provided at a top end of the table leg;

    an extendable and retractable coil of electrical cable provided within the hollow channel, wherein a top end of the coil of electrical cable is in electrical communication with the top electrical socket and also in electrical communication with the electric motor, and wherein a bottom end of the coil of electrical cable is electrically connectable to a power supply; wherein the coil of electrical cable is at least partially housed within a protective tube provided in the hollow channel, and a bottom end of the protective tube is bevelled to provide an elliptical opening for smooth relative movement of the coil of electrical cable into the bottom end of the protective tube;

    wherein the top electrical socket is configured to receive therein a plug of a further electrical cable to supply power from the power supply to anything on the tabletop that requires electrical power; and

    wherein a cable stabiliser is provided in a bottom end of the table leg, and the cable stabiliser comprising a helical guide portion attached to a non-moving part of the table leg and configured to immovably accommodate a few coils of a bottom end of the coil of electrical cable thereon.

2. The height-adjustable table of claim 1, further comprising a bottom electrical socket provided at a bottom end of the table leg and configured to receive a plug of a power cable therein to electrically connect the bottom electrical socket to a power supply, wherein the bottom end of the coil of electrical cable is in electrical communication with the bottom electrical socket.

3. The height-adjustable table of claim 2, wherein the bottom electrical socket comprises one of: a C14 International Electrical Commission (IEC) electrical inlet and a C20 International Electrical Commission (IEC) electrical inlet.

4. The height-adjustable table of claim 1, wherein the bottom end of the coil of electrical cable is in electrical communication with a power cable provided at a bottom end of the table leg, wherein the power cable is configured to be connectable to the power supply.

5. The height-adjustable table of any one of the preceding claims, wherein the top electrical socket has a configuration of a wall socket.

6. The height-adjustable table of any one of the preceding claims, further comprising a controller in electrical communication with the electric motor to control the electric motor for extending and retracting the table leg.

7. The height-adjustable table of any one of the preceding claims, wherein the height-adjustment mechanism is housed within a protective casing provided in the hollow channel.

8. The height-adjustable table of any one of the preceding claims, further comprising a circuit breaker provided in the table leg and in electrical communication with the bottom end of the coil of electrical cable to interrupt current flow from the power supply to the coil of electrical cable in case of a short circuit or overcurrent from the power supply.

9. A table leg for supporting a tabletop of a height-adjustable table, the table leg comprising:

a hollow channel defined by the table leg;
a height-adjustment mechanism provided within the hollow channel to actuate extension and retraction of the table leg;
an electric motor provided to drive the height-adjustment mechanism;
a top electrical socket provided at a top end of the table leg;
an extendable and retractable coil of electrical cable provided within the hollow channel, wherein a top end of the coil of electrical cable is in electrical communication with the top electrical socket and also in electrical communication with the electric motor, and wherein a bottom end of the coil of electrical cable is electrically connectable to a power supply; wherein the coil of electrical cable is at least partially housed within a protective tube provided in the hollow channel, and a bottom end of the protective tube is bevelled to provide an elliptical opening for smooth relative movement of

the coil of electrical cable into the bottom end of the protective tube;

wherein the top electrical socket is configured to receive therein a plug of a further electrical cable to supply power from the power supply to anything on the tabletop that requires electrical power; and

wherein a cable stabiliser is provided in a bottom end of the table leg, and the cable stabiliser comprising a helical guide portion attached to a non-moving part of the table leg and configured to immovably accommodate a few coils of a bottom end of the coil of electrical cable thereon.

10. The table leg of claim 9, further comprising a bottom electrical socket provided at a bottom end of the table leg and configured to receive a plug of a power cable therein to electrically connect the bottom electrical socket to a power supply, wherein the bottom end of the coil of electrical cable is in electrical communication with the bottom electrical socket.

11. The table leg of claim 10, wherein the bottom electrical socket comprises one of: a C14 International Electrical Commission (IEC) electrical inlet and a C20 International Electrical Commission (IEC) electrical inlet.

12. The table leg of claim 9, wherein the bottom end of the coil of electrical cable is in electrical communication with a power cable provided at a bottom end of the table leg, wherein the power cable is configured to be connectable to the power supply.

13. The table leg of any one of claims 9 to 12, wherein the top electrical socket has a configuration of a wall socket.

14. The table leg of any one of claims 9 to 13, wherein the electric motor is in electrical communication with a controller of the height-adjustable table to control the electric motor for extending and retracting the table leg.

15. The table leg of any one of claims 9 to 14, wherein the height-adjustment mechanism is housed within a protective casing provided in the hollow channel.

16. The table leg of any one of claims 9 to 15, further comprising a circuit breaker provided in the table leg and in electrical communication with the bottom end of the coil of electrical cable to interrupt current flow from the power supply to the coil of electrical cable in case of a short circuit or overcurrent from the power supply.