

DESCRIPTION**SUMMARY OF THE INVENTION**

According to the first aspect of the invention there is provided a modular appliance system comprising:

a plurality of modular appliances; and

a base unit for supporting at least two of the modular appliances simultaneously, the base unit having at least two electrical connectors adapted for engagement with complementary connectors on respective appliances, thereby to connect the appliances to an electrical source via the base unit.

The system preferably may comprise a base with an electrical connector similar to that used in the designs of cordless kettles, which may be free standing or fixed to a work surface, the base may comprise one or more electrical connectors with one or more hingely attached extensions having electrical connectors adapted for engagement with complementary connectors on respective appliances, thereby to connect the appliances to an electrical source via the base and extensions.

The hingely attached extensions are movable between points under and inside the base in a circular fashion to any point around the hinge.

The extensions having electrical connectors may be pivoted, hingely attached, on slides individually or jointly, or as separate connectors removable from the base and attached by electrical cable.

When hingely attached to the base the electrical connectors (on extensions) may be movable in a horizontal or vertical direction through an arc with its centre being the hinge.

When pivotally attached to the base, the electrical connectors (on extensions) are pivotally

moveable around the base in an arc with its centre being the pivot.

When attached to the base by means of slides, the electrical connectors (on extensions) may be slid to and from the base and from left to right of the base and they may be slid individually or jointly.

When removable from the base, the cordly attached electrical connectors may be removed from the base and placed anywhere around the base. The removable connectors may clip, retract or plug into the base.

According to the second aspect of the invention there is provided a free standing unit comprising:

a plurality of modular appliances; and

a free standing unit for supporting one or more modular appliances simultaneously, the base unit having one or more electrical connectors adapted for engagement with complementary connectors on respective appliances, thereby to connect the appliances to an electrical source via the free standing unit.

The system preferably may comprise a main body which may be free standing or fixed to a work surface or wall, the main body may comprise one, two or more hingely attached extensions having electrical connectors adapted for engagement with complementary connectors on respective appliances, thereby to connect the appliances to an electrical source via the free standing or fixed unit.

The hingely attached extensions are movable between points under and inside the free standing unit in a circular fashion to any point around the hinge.

The extensions having electrical connectors may be pivoted, hingely attached, on slides individually or jointly, or as separate connectors removable from the main body and attached

by electrical cable.

When hingely attached to the main body the electrical connectors (on extensions) may be movable in a horizontal or vertical direction through an arc with its centre being the hinge.

When pivotally attached to the main body, the electrical connectors (on extensions) are pivotally moveable around the main body in an arc with its centre being the pivot.

When attached to the main body by means of slides, the electrical connectors (on extensions) may be slid to and from the main body and from left to right of the main body and they may be slid individually or jointly.

When removable from the main body, the cordly attached electrical connectors may be removed from the main body and placed anywhere around the main body. The removable connectors may clip, retract or plug into the main body.

According to the third aspect of the invention there is provided a free standing unit comprising:

a plurality of modular appliances; and

a free standing appliance such as a coffee maker or the like which may support one or more modular appliances simultaneously via moveable electrical connectors within the free standing appliance, the movable electrical connectors adapted for engagement with complemental connectors on respective appliances, thereby to connect the appliances to an electrical source via the free standing appliance.

The system preferably may comprise a free standing appliance such as a coffee maker or the like, which may comprise one, two or more hingely attached extensions having electrical connectors adapted for engagement with complemental connectors on respective appliances, thereby to connect the appliances to an electrical source via the free standing appliance.

The hingely attached extensions are movable between points under and inside the free standing appliance in a circular fashion to any point around the hinge.

The extensions having electrical connectors may be pivoted, hingely attached, on slides individually or jointly, or as separate connectors removable from the free stading appliance and attached by electrical cable.

When hingely attached to the free standing appliance the electrical connectors (on extensions) may be movable in a horizontal or vertical direction through an arc with its centre being the hinge.

When pivotally attached to the free standing appliance, the electrical connectors (on extensions) are pivotally moveable around the free standing appliance in an arc with its centre being the pivot.

When attached to the free standing appliance by means of slides, the electrical connectors (on extensions) may be slid to and from the free standing appliance and from left to right of the free standing appliance and they may be slid individually or jointly.

When removable from the free standing appliance, the cordly attached electrical connectors may be removed from the free standing appliance and placed anywhere around the free standing appliance. The removable connectors may clip, retract or plug into the free standing appliance.

BRIEF DESCRIPTION OF THE DRAWINGS

- Figure 1** is a perspective view of the invention (first aspect);
Figure 2 is a top view of the invention (first aspect);
Figure 3 is a perspective view of the invention (second aspect);
Figure 4 is a top view of the invention (second aspect);
Figure 5 is a perspective view of the invention (second aspect indicating the slide

concept);

Figure 6 is a perspective view of the invention (second aspect, indicating the vertical hinge concept);

Figure 7 is a perspective view of the invention (second aspect, indicating the pivot concept);

Figure 8 is a perspective view of the invention (second aspect, indicating the removable concept);

Figure 9 is a perspective view of the invention (third aspect).

DESCRIPTION OF EMBODIMENTS

The modular appliance system illustrated in Figure 1 comprises a generally planar base unit 10 which is moulded from a suitably tough and heat resistant plastics material such as polypropylene, and a set of modular appliances 12, 14 and 16 which can be mounted on the base unit individually or together, on the base 10 and extensions 1 and electrical connectors 2. The base 10 can be formed from other suitable plastics or other materials including metals such as stainless steel or natural materials such as marble or wood.

In Figure 1, the appliance 14 is a cordless kettle, the appliance 12 is a toaster and the appliance 16 is a chopper. It will be appreciated that the illustrated appliances are merely exemplary, and that the set of appliances usable on the base 10 may include various other appliances, or more than one identical appliance.

The base 10 may be rectangular and is provided with a locating formation in the form of an upstanding housing / locating step 3. The base 10 has a central upstanding cordless connector 4 of a kind known as such which mates with a complementary connector on the underside of the appliances 12, 14 and 16. The base 10 comprises extensions 1 and upstanding cordless connectors 2 which are hingedly attached via hinge 6 to the base 10 so that the upstanding cordless connectors 2 may move out of the upstanding housing / locating step 3 on the extensions 1 in an arc from the underside 5 of the base 10 into a position away from the base 10 so that appliances 12, 14 and 16 may be located with its complementary connector to the upstanding connectors 2. On base 10, on the upstanding housing / locating step 3 there is

provided a safety cut out 7 and an electric cable 8 which provides electric current to the base 10, extensions 1 and ultimately the cordless connectors 4 and 2.

Figure 2 is a top view of the invention (first aspect) indicating the extensions 1, cordless connectors 2 being rotated in an arc to positions outside of the base 10 by means of the hinge 6. Figure 2 also indicates the extensions 1 and cordless connectors 2 in the closed position 9 usually when the appliances 12, 14 and 16 (Figure 1) are not being used.

The modular appliance system illustrated in Figure 3 comprises a generally planar free standing unit 11 which is moulded from a suitably tough and heat resistant plastics material such as polypropylene, and a set of modular appliances 12, 14 and 16 which can be mounted onto the upstanding cordless controls 2 which are hingely attached via extensions 1 and hinges 6 to the free standing unit 11, either independently or simultaneously. The free standing unit 11 can be formed from other suitable plastics or other materials including metals such as stainless steel or natural materials such as marble or wood.

In Figure 3, the appliance 14 is a cordless kettle, the appliance 12 is a toaster and the appliance 16 is a chopper. It will be appreciated that the illustrated appliances are merely exemplary, and that the set of appliances usable on the free standing unit 11 may include various other appliances, or more than one identical appliance.

The free standing unit 11 may be rectangular and is provided with a cavity and opening 15 which houses the extensions 1, upstanding cordless connectors 2 and hinges 6. The free standing unit 11 may comprise of one, two or more hingely attached extensions 1 and upstanding cordless connectors 2. The upstanding cordless connectors 2 are of a kind known as such which mates with a complementary connector on the underside of the appliances 12, 14 and 16. The free standing unit 11 comprises extensions 1 and upstanding cordless connectors 2 which are hingely attached via hinge 6 to the free standing unit 11 so that the upstanding cordless connectors 2 may move out of the cavity and opening 15 on the extensions 1 in an arc from the underside of the free standing unit 11 into a position away from the free standing unit 11 so that appliances 12, 14 and 16 may be located with its complementary connector to the upstanding connectors 2. On the free standing unit 11, there is provided a safety cut out 7 and an electric cable 8 which provides electric current to the free standing unit 11, extensions 1 and

ultimately the cordless connectors 2.

Figure 4 is a top view of the invention (second aspect) indicating the extensions 1, cordless connectors 2 being rotated in an arc to positions outside of the free standing unit 11 by means of the hinge 6. Figure 4 also indicates the extensions 1 and upstanding cordless connectors 2 in the closed position 9 usually when the appliances 12, 14 and 16 (Figure 3) are not being used.

Figure 5 is perspective view of the invention (second aspect) indicating the extensions 1 and upstanding cordless connectors 2 being slid out of the cavity and opening 15 and 17 making the upstanding cordless connectors 2 accessible.

Figure 6 is a perspective view of the invention (second aspect) indicating the extensions 1 and upstanding cordless connectors 2 being hinged by means of hinges 19 from a closed position 20 in a vertical direction to an open position 21 in a horizontal direction making the upstanding cordless connectors 2 accessible.

Figure 7 is perspective view of the invention (second aspect) indicating the extensions 1 and upstanding cordless connectors 2 being rotated out of the cavity and opening 15 making the upstanding cordless connectors 2 accessible.

Figure 8 is perspective view of the invention (second aspect) indicating the cable 22 and upstanding cordless connectors 2 being removed from the cavity and opening 15 making the upstanding cordless connectors 2 accessible.

Figure 9 is a perspective view of the invention (third aspect) indicating the extensions 1, cordless connectors 2 being rotated in an arc to positions outside of the free standing appliance 23.

It will be appreciated that the exact shape and configuration of the inventions described above, the connectors used and other elements and configurations and locations of connectors on the base, free standing unit and free standing appliance is purely exemplary and that numerous variations are possible without departing from the spirit and scope of the invention.

CLAIMS

1. A modular appliance system comprising:

a plurality of modular appliances; and

a base unit for supporting at least two of the modular appliances simultaneously, the base unit having at least two electrical connectors adapted for engagement with complementary connectors on respective appliances, thereby to connect the appliances to an electrical source via the base unit.

2. A modular appliance system comprising:

a plurality of modular appliances; and

a free standing unit for supporting one or more modular appliances simultaneously, the base unit having one or more electrical connectors adapted for engagement with complementary connectors on respective appliances, thereby to connect the appliances to an electrical source via the free standing unit.

3. A modular appliance system comprising:

a plurality of modular appliances; and

a free standing appliance such as a coffee maker or the like which may support one or more modular appliances simultaneously via moveable electrical connectors within the free standing appliance, the movable electrical connectors adapted for engagement with complementary connectors on respective appliances, thereby to connect the appliances to an electrical source via the free standing appliance.

4. A modular appliance system according to claim 1 comprising a base which provides one

5. upstanding cordless connector which is strategically placed to engage with complementary connectors on the underside of respective appliances and one, two or more hingely attached upstanding cordless connectors which may be housed within the base and which may be accessible by hingely moving the upstanding cordless connectors through an arc from within the base to a position on the outside to engage with complementary connectors on the underside of respective appliances.
6. A modular appliance system according to claim 2 comprising a free standing unit which provides a housing for one, two or more upstanding cordless connectors which are hingely attached to the free standing unit and which may be accessible by hingely moving the upstanding cordless connectors through an arc from within the free standing unit to a position on the outside to engage with complementary connectors on the underside of respective appliances.
7. A modular appliance system according to any one of claims 2 and 5 wherein there is a free standing unit with one or more upstanding cordless connectors which move with a sliding action in a forward and back and left and right direction making the upstanding cordless connectors accessible to engage with complementary connectors on the underside of respective appliances or back into a closed position.
8. A modular appliance system according to any one of claims 2, 5 and 6 wherein there is a free standing unit with one or more upstanding cordless connectors which move with a hinging action from a vertical position to a horizontal position making the upstanding cordless connectors accessible to engage with complementary connectors on the underside of respective appliances or back into a vertically closed position.
9. A modular appliance system according to any one of claims 2, 5, 6 and 7 wherein there is a free standing unit with one or more upstanding cordless connectors which move by detaching the upstanding cordless connectors and placing them in a position around the free standing unit making them accessible to engage with complementary connectors on the underside of respective appliances. The upstanding cordless connectors are attached via electric cables.

9. A modular appliance system according to claim 3 comprising a free standing appliance such as a coffee maker or the like which may support one or more modular appliances simultaneously via moveable electrical connectors within the free standing appliance, they may be hingely attached, slideable or detachable. The movable electrical connectors adapted for engagement with complemental connectors on respective appliances, thereby to connect the appliances to an electrical source via the free standing appliance.