What is claimed is:

1. A safety socket for an appliance plug having two or more pins, comprising:

at least one socket body having two or more receptacles isolated with each other, and comprising a live wire connection circuit, a neutral wire connection circuit and a locking and controlling mechanism, wherein said locking and controlling mechanism is activated to an operation state when said two or more pins of said appliance plug are inserted into said corresponding receptacles of said socket body, and that said live wire connection circuit and said neutral wire connection circuit are electrically disconnected when said locking and controlling mechanism is in an idle state, thereby preventing electric shock, wherein said receptacles of said socket body include a live wire receptacle, a neutral wire receptacle and an earth wire receptacle while said pins of said appliance plug include a live wire pin, a neutral wire pin and an earth wire pin, wherein when said live wire pin, said neutral wire pin and said earth wire pin of said appliance plug are respectively and simultaneously inserted into said corresponding live wire receptacle, said neutral wire receptacle and said earth wire receptacle, said locking and controlling mechanism is activated by said earth wire pin inserted into said earth wire receptacle to electrically connect said live wire connection circuit and said neutral wire connection circuit, wherein said earth wire receptacle has a sidewall, wherein an action hole is provided in said sidewall of said earth wire receptacle, wherein said locking and controlling mechanism comprises a pushing element, an actuating element and a reset element, wherein said pushing element has a first end and a second end, wherein said first end of said pushing element transverses said action hole and extends to said earth wire receptacle to be driven by said earth wire pin, wherein said second end opposite to said first end of said pushing element is connected to said actuating element, wherein said actuating element electrically connects said live wire connection circuit and said neutral wire connection circuit in said operation state, wherein said reset element is connected to one of said pushing element and said actuating element in such a manner that when said earth wire pin is removed from said earth wire receptacle, said locking and controlling mechanism is switched to said initial idle state, wherein said socket body comprises a live wire connection switch controlling electrical connection and disconnection of said live wire connection circuit, and a neutral wire connection switch controlling electrical connection and disconnection of said neutral wire connection circuit, wherein said actuating element of said locking and controlling mechanism simultaneously switches on said live wire connection switch and said neutral wire connection switch under said action of said pushing element so as to electrically connect said live wire connection circuit with said neutral wire connection circuit,

wherein said actuating element comprises a connector element and two actuating blocks connected to two sides of said connector element, wherein each of said two actuating blocks has an actuating surface applying pushing force to act on said live wire connection switch and said neutral wire connection switch so as to electrically connect said live wire connection circuit and said neutral wire connection circuit.

2. The safety socket, as recited in claim 1, wherein each of said actuating blocks further has a receiving slot provided therein, wherein an inside wall of said receiving slot forms said actuating surface, wherein each of said live wire connection switch and said neutral wire connection switch has two switch elements accommodated in said corresponding receiving slot, wherein each of said two switch elements comprises an contacting end portion, and that said contacting end portion of one switch element of said two switch elements is adapted to move under actions of said actuating element and to contact to said contacting end portion of the other switch element so as to switch on said corresponding connection switch.

3. The safety socket, as recited in claim 2, wherein each of said contacting end portions of said two switch elements of each said live wire connection switch and said neutral wire connection switch has a conductive protrusion, wherein the position of said conductive protrusion of one of said switch elements is higher than the position of said other conductive protrusion of said other switch element, wherein one of said contacting end portions of said respective switch element rotates under action of said actuating surface, such that said conductive protrusions of said two switch elements contact with each other to form a point-to-point contacting configuration.

4. The safety socket, as recited in claim 3, wherein an upper wall of said receiving slot forms an inclined guiding surface and said contacting end portion of said respective switch element slides along said inclined guiding surface under action of said actuating surface, rendering said two switch elements in contact with each other.

5. The safety socket, as recited in claim 1, wherein an isolation cavity is formed on outside of two or more said receptacles of said safety socket, wherein said socket body further comprises a sealing member to prevent water or other conductive liquid in said earth wire receptacle from entering said isolation cavity via said action hole.

6. The safety socket, as recited in claim 5, wherein said sealing member comprises a sealer, which is fixed to said outside of said earth wire receptacle, comprising a

sealing body, wherein a through-hole is provided in said sealing body, wherein said through-hole is positioned corresponding to said action hole of said earth wire receptacle, and that said through-hole is sized and shaped to match with said pushing element, so as to enable said pushing element penetrating through said through-hole fittingly.

7. The safety socket, as recited in claim 6, wherein said earth wire receptacle has an outer side wall which forms a locating slot and said sealing member further comprises a fixator comprising a fixator body having an opening formed in said fixator body, wherein said opening allows said pushing element to penetrate through and said fixator body is fixed to said outer side wall of said earth wire receptacle to seal said locating slot, so as to ensure that said sealer is securely and tightly mounted in said locating slot.

8. A safety socket for an appliance plug having two or more pins, comprising:

at least one socket body having two or more receptacles isolated with each other, and comprising a live wire connection circuit, a neutral wire connection circuit and a locking and controlling mechanism, wherein said locking and controlling mechanism is activated to an operation state when said two or more pins of said appliance plug are inserted into said corresponding receptacles of said socket body, and that said live wire connection circuit and said neutral wire connection circuit are electrically disconnected when said locking and controlling mechanism is in an idle state, thereby preventing electric shock, wherein said two or more receptacles of said socket body include a live wire receptacle and a neutral wire receptacle, and said two or more pins of said appliance plug include a live wire pin and a neutral wire pin, wherein when said live wire pin and said neutral wire pin of said appliance plug are respectively and simultaneously inserted into said corresponding live wire receptacle and said neutral wire receptacle, said locking and controlling mechanism is activated by said live wire pin inserted into said live wire receptacle and said neutral wire pin inserted into said neutral wire receptacle to electrically connect said live wire connection circuit and said neutral wire connection circuit, wherein said locking and controlling mechanism comprises two locking control units, wherein each of said live and neutral wire receptacles has a side wall, wherein a live wire action hole is provided in said sidewall of said live wire receptacle, and a neutral wire action hole is provided in said sidewall of said neutral wire receptacle, wherein said two locking control units are respectively positioned and mounted through said live wire action

hole and said neutral wire action hole, wherein when said live wire pin and said neutral wire pin of said appliance plug are respectively inserted into said live wire receptacle and said neutral wire receptacle at the same time, said live wire pin and said neutral wire pin simultaneously activate said two locking control units, wherein only when said two locking control units are simultaneously activated, said live wire connection circuit and said neutral wire connection circuit are electrically connected.

9. The safety socket, as recited in claim 8, wherein each of said two locking control units comprises a pushing element having a sloped surface on one end thereof and penetrating through said live wire action hole or said neutral wire action hole, an actuating element connected to said pushing element and electrically connecting said live wire connection circuit and said neutral wire connection circuit in said operation state, and a reset element mounted on said pushing element or said actuating element, wherein when said live wire pin and said neutral wire pin of said appliance plug are respectively inserted into said live wire receptacle and said neutral wire receptacle at the same time, said live wire pin and said neutral wire pin respectively push said pushing elements to move so as to further drive said actuating elements to move, and thus said two locking control units are in said operation state, and that when said live wire pin and said neutral wire pin of said appliance plug are removed from said live wire receptacle and said neutral wire receptacle, said two locking control units are in said initial idle state under a reset effect of said reset elements.

10. The safety socket, as recited in claim 9, wherein said socket body comprises two sets of live wire connection switch and neutral wire connection switch, wherein in said operation state, said actuating elements of said two locking control units switch on said two sets of live wire connection switch and neutral wire connection switch respectively so as to electrically connect said live wire connection circuit and said neutral wire connection circuit.

11. The safety socket, as recited in claim 9, wherein said locking and controlling mechanism further comprises a braking unit, wherein when said two locking control units are simultaneously activated, said braking unit allows said two locking control units to work in a normal working state, and that when only one of said two locking control units is activated, said braking unit prevents said other locking control unit from operating so as to ensure an electrical disconnection of said live wire connection circuit and said neutral wire connection circuit for preventing electric shock.

12. The safety socket, as recited in claim 11, wherein said braking unit comprises a braking element, a restraining element and a rotating shaft, wherein said braking element is adapted for linear motions under said mutual actions of said two actuating elements when switching to said operation state, wherein when said live wire pin and said neutral wire pin of said appliance plug are respectively removed from said live wire receptacle and said neutral wire receptacle, said braking element returns to said initial idle state under said reset effect of said restraining element, wherein when only one of said two locking control units is activated, said braking element rotates around said rotating shaft and prevents said other locking control unit from operating so as to ensure an electrical disconnection of said live wire connection circuit and said neutral wire connection circuit for preventing electric shock.

13. The safety socket, as recited in claim 12, wherein two ends of said braking element have two effect surfaces provided thereon respectively, wherein each of said two actuating elements comprises an actuating body, and that said actuating body applies acting forces on said two effect surfaces, rendering said braking element to move selectively along a vertical direction or a horizontal direction.

14. The safety socket, as recited in claim 13, wherein said two effect surfaces are sloped surfaces and provided on the same side of said braking element, wherein said actuating bodies of said two actuating elements are provided on the same side of said braking element and adapted to apply acting forces on said two effect surfaces along said same and parallel directions respectively.

15. The safety socket, as recited in claim 13, wherein said two effect surfaces are sloped surfaces and provided on opposite sides of said braking element, wherein said actuating bodies of said two actuating elements are provided on two opposite sides of said braking element and adapted to apply acting forces on said two effect surfaces along parallel but opposite directions respectively.

16. The safety socket, as recited in claim 13, wherein each of said actuating elements respectively comprises a starting element in such a manner that one of said two starting elements is used to simultaneously switch on and switch off one set of live wire connection switch and neutral wire connection switch, and the other one of said two starting elements is used to simultaneously switch on and switch off the other set of live wire connection switch and neutral wire connection switch.

17. The safety socket, as recited in claim 16, wherein positions of said actuating bodies of said each two actuating elements are provided that, when only one locking control unit of said two locking control units is started, one actuating body of said locking control unit applies on one of said effect surfaces in such a manner that said braking element rotates clockwise or counterclockwise around said rotating shaft, so as to ensure that the other effect surface and said actuating body of said other locking control unit are in a dislocation state, and thus said braking element prevents starting of said other locking control unit.

18. The safety socket, as recited in claim 9, wherein an isolation cavity is formed outside of said two or more receptacles of said socket body of said safety socket, wherein said socket body further comprises a sealing member for preventing water or other electrical conductive liquid entered said earth wire receptacle from entering into said isolation cavity via said live wire action hole or said neutral wire action hole.

19. The safety socket, as recited in claim 18, wherein each of said pushing elements has grooves formed therein, wherein said sealing member comprises sealing rings which are respectively provided in said grooves and located in said corresponding live wire action hole and said neutral wire action hole so as to tightly and closely contact to inner surfaces of said live wire action hole and said neutral wire action hole respectively.

20. The safety socket, as recited in claim 18, wherein a side of each of said outer side walls of said live wire receptacle and said neutral wire receptacle, adjacent to these of said isolation cavity, forms a fixation groove, wherein said sealing member comprises sealing rings respectively mounted on said fixation grooves and inner surfaces of said sealing rings are tightly and closely in contact with said outer surface of said pushing element.

21. The safety socket, as recited in claim 20, wherein said sealing member further comprises a fixing member comprising a fixing member body, wherein two openings are formed in said fixing member body, wherein said two openings respectively allow each said pushing element to penetrate therethrough, wherein said fixing member is fixed to outer side walls of said live wire receptacle and said neutral wire receptacle to seal said corresponding fixation grooves so as to ensure that said sealing rings are tightly, firmly and closely mounted in said fixation grooves.

22. The safety socket, as recited in claim 8, wherein said locking and controlling mechanism further comprises a braking unit connecting to said two locking control units, wherein when said live wire pin and said neutral wire pin of said appliance plug are respectively inserted into said corresponding live wire receptacle and said neutral wire receptacle at the same time, said two locking control units are activated by said live wire pin and said neutral wire pin to drive said braking unit to switch to said operation state so as to electrically connect said live wire connection circuit and said neutral wire connection circuit, wherein when only one of said two locking control units is activated, said other locking control unit connected to said braking unit prevents said locking control unit from operating for preventing electric shock.

23. The safety socket, as recited in claim 22, wherein each of said two locking control units has a pushing member, an actuating member and a reset member, said pushing member having a sloped surface at one end thereof and penetrating through said live wire action hole or said neutral wire action hole, said actuating member connecting with said pushing member, said reset member mounting on said pushing member or said actuating member, wherein said actuating member is used to electrically connect said live wire connection circuit with said neutral wire connection circuit in said operation state, wherein when said live wire pin and said neutral wire pin of said appliance plug are respectively inserted into said live wire receptacle and said neutral wire receptacle at the same time, said live wire pin and said neutral wire pin respectively push said pushing members to move so as to further drive said actuating members to move, and that said two locking control units are in said operation state, and thus when said live wire pin and said neutral wire pin of said appliance plug are removed from said live wire receptacle and said neutral wire receptacle, said two locking control units are in said initial idle state under a reset effect of said reset members.

24. The safety socket, as recited in claim 23, wherein said socket body comprises a live wire connection switch and a neutral wire connection switch, wherein in said operation state, one actuating element switches one set of said live wire connection switch and said neutral wire connection switch while said other actuating element switches the other set of said live wire connection switch and said neutral wire connection switch, so as to electrically connect said live wire connection circuit with said neutral wire connection circuit.

25. The safety socket, as recited in claim 23, wherein said braking unit comprises a positioning member and two connection members, wherein one end of each of said connection members is pivotally mounted to said positioning member, and the other end of each of said connection members is respectively pivotally mounted to said actuating member.

26. The safety socket, as recited in claim 25, wherein said socket body further comprises a guide member having a guide groove, wherein said guide member is integrally protruded from said outer side wall of said respective receptacle of said socket body, wherein said positioning member is adapted for sliding in said guide groove of said guide member.

27. The safety socket, as recited in claim 26, wherein each of said connection members comprises a connecting end portion and a coupling end portion, wherein said two connecting end portions are assembled by said positioning member and each of said connecting end portions forms a blocking joint groove, wherein said actuating member has an installing member provided in said end portion, wherein said installing members are respectively received in said blocking joint grooves and connected with said corresponding coupling end portions by a pivot member.

28. The safety socket, as recited in claim 22, wherein an isolation cavity is formed outside of two or more receptacles of said socket body of said safety socket, wherein said socket body further comprises a sealing member for preventing water or other electrical conductive liquid entered said earth wire receptacle from entering into said isolation cavity via said live wire action hole or said neutral wire action hole.

29. A safety socket for an appliance plug having two or more pins, comprising: at least one socket body having two or more receptacles isolated with each other, and comprising a live wire connection circuit, a neutral wire connection circuit and a locking and controlling mechanism, wherein said locking and carnelian mechanism is activated to an operation state when said two or more pins of said appliance plug are inserted into said corresponding receptacles of said socket body, and that said live wire connection circuit and said neutral wire connection circuit are electrical disconnected when said locking and controlling mechanism is in an idle state, thereby preventing electric shock, wherein each of said receptacles has an receptacle opening, wherein each of said receptacles is provided with a protecting assembly disposed on a position adjacent to said receptacle opening of said

receptacle to seal said receptacle opening in a protecting position and to open said receptacle opening in an working position, such that said pins of said appliance plug are inserted into said corresponding receptacles, wherein said protecting assembly comprises a protecting member, a rotation shaft and a reset member, wherein said protecting member is adapted to rotate around said rotation shaft so as to switch between said protecting position and said working position, whereby when said pins of said appliance plug are removed from said receptacles, a resetting effect of said reset member makes said protecting assembly switching back to said protecting position from said working position.

30. A safety socket for an appliance plug having two or more pins, comprising: at least one socket body having two or more receptacles isolated with each other, and comprising a live wire connection circuit, a neutral wire connection circuit and a locking and controlling mechanism, wherein said locking and controlling mechanism is activated to an operation state when said two or more pins of said appliance plug are inserted into said corresponding receptacles of said socket body, and that said live wire connection circuit and said neutral wire connection circuit are electrically disconnected when said locking and controlling mechanism is in an idle state, thereby preventing electric shock, wherein said safety socket further comprises one or more chargeable USB terminal elements for connecting with one or more intelligent digital devices by one or more USB data cables for providing Dower to said intelligent digital devices, wherein said safety socket further comprises a socket shell and a circuit board, wherein said socket shell and said socket body form an isolation cavity which is not communicating with said receptacles, wherein said circuit board is received in said isolation cavity and each of said USB terminal elements has a USB receptacle and one or more pins connected to said circuit board, wherein each of said USB terminal elements is integrally formed in said socket shell, wherein said USB receptacles and said isolation cavity are not communicating with each other for preventing water or other electrical conductive liquid from entering into said isolation cavity via said receptacles and said USB receptacles.

31. A safety socket for an appliance plug having two or more pins, comprising: at least one socket body having two or more receptacles isolated with each other, and comprising a live wire connection circuit, a neutral wire connection circuit and a locking and controlling mechanism, wherein said locking and controlling mechanism is activated to an operation state when said two or more pins of said appliance plug are inserted into said corresponding receptacles of said socket body, and that said

live wire connection circuit and said neutral wire connection circuit are electrically disconnected when said locking and controlling mechanism is in an idle state, thereby preventing electric shock, wherein said socket body comprises:

a first live wire connection switch and a second live wire connection switch adapted for connecting or disconnecting with said live wire connection circuit,

a first neutral wire connection switch and a second neutral wire connection switch adapted for connecting or disconnecting with said neutral wire connection circuit,

wherein said locking and controlling mechanism comprising a first locking control unit and a second locking control unit, wherein when said first locking control unit and said second locking control unit are activated at the same time, said first locking control unit switches on said first live wire connection switch and said first neutral wire connection switch and, simultaneously, said second locking control unit switches on said second live wire connection switch and said second neutral wire connection switch, and thus said live wire connection circuit and said neutral wire connection circuit are electrically connected to ensure a normal working condition of said socket body.

32. The safety socket, as recited in claim 31, wherein said socket body further has a live wire receptacle and a neutral wire receptacle, wherein each of said live and neutral wire receptacle has a side wall, wherein said socket body further has a live wire action hole provided in said sidewall of said live wire receptacle and a neutral wire action hole provided in said sidewall of said neutral wire receptacle, wherein said first locking control unit is positioned and mounted through said live wire action hole and said second locking control unit is positioned and mounted through said neutral wire action hole, wherein when a live wire pin and a neutral wire pin of said appliance plug are respectively and simultaneously inserted into said live wire receptacle and said neutral wire receptacle, said live wire pin activates said first locking control unit and said neutral wire pin activates said second locking control unit, thus said live wire connection circuit and neutral wire connection circuit are electrically connected only when said two locking control units are simultaneously activated.