

Title (en)
PLUGGABLE ELECTRIC SECURITY CONNECTION

Publication
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Application
EP 85100790 A 19850125

Priority
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Abstract (en)
[origin: WO8503601A1] Safety electric connection wherein, after removing the plug, the portion of the plug accessible from outside is automatically disconnected from the mains. The plug comprises two superposed chambers, the lower chamber is closed, receives the lines from the mains and is separated from the upper housing chamber which is provided to receive the plug, the separation being embodied by an insulating partition wall wherein are arranged the contact bridges. In the closed chamber, there is provided a magnetic body laying normally on the bottom of the chamber but free to move upwardly and comprising connection elements directed towards the connection to the mains and the contact bridges, without connecting them in the lower position. The plug portion insertable into the housing chamber of the plug comprises, in addition to the contact points which may be contacted with the ends of the contact bridges directed towards the chamber, a magnetic component which draws when the plug is inserted in the housing chamber, the magnetic body free to move upwardly in the bottom chamber and which thus forms, by means of the connection elements of the magnetic body, the electric connection between the lines of the mains going to the closed lower chamber and the contact bridges of the partition wall between the two chambers, and therefore also up to the contact points of the plug, consequently up to the consumer.

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H01R 13/703

IPC 8 full level
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CPC (source: EP US)
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Cited by
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