

CLAIMS

1. A lid for a pressure cooking pot, comprising an edged lid with a seal and a grip, the lid being latchable on a pressure cooking pot, characterised in that the grip has means for removing the grip from the edged lid together with at least part of a latching mechanism.
2. The lid for a pressure cooking pot according to the preceding claim, characterised in that the grip can be fastened to a valve which is attached preferably centrally to the edged lid.
3. The lid for a pressure cooking pot according to the preceding claim, characterised in that the valve is arranged in the grip.
4. The lid for a pressure cooking pot according to one of the two preceding claims, characterised in that the valve is adjustable.
5. The lid for a pressure cooking pot according to one of the preceding claims, characterised in that the grip can be removed via a slider mechanism.
6. The lid for a pressure cooking pot according to one of the preceding claims, characterised in that the latching mechanism can be actuated by means of the grip.
7. The lid for a pressure cooking pot according to one of the preceding claims, characterised in that the lid comprises a middle plate which is arranged between the grip and the edged lid and to which claws are attached for latching the lid.

8. The lid for a pressure cooking pot according to one of the preceding claims, characterised in that the lid comprises a valve for fixing the working pressure as well as a safety valve, one of the valves being arranged in the grip.
9. The lid for a pressure cooking pot according to the preceding claim, characterised in that one of the valves, preferably the safety valve, is arranged on the edged lid part of the lid, a pin which is actuated by the valve being attached to a removable part of the lid, in particular to the grip.
10. The lid for a pressure cooking pot according to one of the two preceding claims, characterised in that the grip is attached to a housing of a valve.
11. The lid for a pressure cooking pot according to one of the preceding claims, characterised in that the lid comprises a middle plate which is removable together with the grip, a duct being arranged between the middle plate and the edged lid, and steam which discharges via at least one valve escaping through said duct.
12. The lid for a pressure cooking pot according to one of the preceding claims, characterised in that the lid consists of two separable modules, one module comprising a grip and a latching mechanism for latching the lid to the pouring edge of a pot, and the other module comprising an edged lid for covering the pot.
13. A lid for a pressure cooking pot, in particular the lid according to one of the preceding claims,

comprising an edged lid having a seal and at least one valve, characterised in that a latching mechanism is arranged on a middle plate, the middle plate being removable from the edged lid together with the latching mechanism and a duct being arranged between the middle plate and the edged lid, and steam which discharges from at least one valve being releasable into the open through said duct.

14. A lid for a pressure cooking pot, in particular the lid according to one of the preceding claims, comprising an edged lid with a seal and at least one valve for fixing the working pressure as well as at least one safety valve and a grip, characterised in that one of the valves is arranged in the grip.
15. The lid for a pressure cooking pot according to the preceding claim, characterised in that the valve is attached to the edged lid and the grip is fastened to a housing of the valve.
16. A pressure cooking pot, comprising a lid according to one of the preceding claims.

AMENDED CLAIMS

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1. A lid for a pressure cooking pot (1) and a pressure cooking pot comprising a lid, consisting, in addition to a pot (3) with a pouring edge (4), of a lip-sealed (5) lid (2) which can be latched in relation to the pouring edge and which has an upper lid module basically consisting of a closure unit (6), a middle plate (15) and fixing claws (20), and a lower lid module basically consisting of an edged lid (9) with a seal (5) and valves (7, 8), characterised in that, the closure unit comprises means for enabling an easily manageable separation of the upper module from the lower module.
2. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to claim 1, characterised in that the closure unit (6) can be fixed by fixing claws (20) to a cylindrical valve support (7) attached preferably centrally in the edged lid (9).
3. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to either claim 1 or claim 2, characterised in that the closure unit (6) comprising fixing claws (20) has a slider (11) guided resiliently by means of a fixed guide pin (23) and mounted in a horizontally displaceable manner with recesses engaging in one another, wherein a recess (24) performs the guiding function together with the valve support (7), and a recess (25) performs the latching function in conjunction with the groove (12).
4. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to at least one of claims 1 to 3, characterised in that the horizontally movable slider (11) integrated in the closure unit (6) has means guided outwardly from the closure unit which enable its functional manageability.
5. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to at least one of claims 1 to 4, characterised in that the upper lid module is closed towards the edged lid (9) by an axially fixed middle plate (15) basically guiding connecting webs (22) and claws (20), connects, on the side of the middle plate remote from the edged lid, to the centrally rotatably mounted (34) closure unit (6), which effects a radial movement of the claws from the axial movement of the closure unit via vertically oriented drivers (30) guided in circular segment-shaped grooves (29) in the middle plate and engaging rotatably in the connecting webs, and the closure unit has, on the side remote from edged lid, a button-like cavity formed as a grip (21) for receiving the movable slider (11) and the fixed guide pin (23) as well as a cooking pin (14) showing the pressurised state.

6. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to at least one of claims 1 to 5, characterised in that the edged lid (9), as part of the lower lid module, receives the working pressure valve (7) and pressure relief or safety valve (8) characteristic of pressurised pressure cooking pots via its duct-like discharge openings (16) for working pressure (19) and overpressure (32) formed in the base and towards the middle plate (15).

7. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to at least one of claims 1 to 6, characterised in that the middle plate (15) fixed in position by the cylindrical valve connecting piece (8) contains recesses or bores (27, 28) for receiving or passing through the cylindrical valve connecting piece (7, 8) and the discharge openings (19, 32) thereof, the steams exiting here open on their side of the middle plate remote from the edged lid (9) in a sealed duct (16) defined by a doubly formed boundary – a gap (36) for receiving a seal -, wherein the duct lid is formed by the base of the rotatable closure unit (6) facing the edged lid, and via the lateral discharge opening thereof enter the atmosphere without contacting the closure device of the upper lid module.

8. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to at least one of claims 1 to 7, characterised in that the relative movement in the axial direction between the closure unit (6) and the middle plate (15) is given by the longitudinal extension of the grooves (29) in the middle plate extending in a circular segment-shaped manner and of the drivers (30) of the closure unit moving therein, and the extended cooking pin (14) of a pressurised cooking pot (3) prevents a relative movement between the closure unit and the middle plate owing to the fixing in the bore (35) of the closure unit.

9. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to at least one of claims 1 to 8, characterised in that, the surface of the edged lid (9) remote from the cooking pot (3) forms a mechanical interface, when the upper lid module is removed, for receiving other functional parts – such as a standard middle button or a special vapour button – so as to form, with the edged lid, a conventional cooking pot lid for a depressurised cooking pot or a low-pressure cooking pot.

10. The lid for a pressure cooking pot and the pressure cooking pot comprising a lid according to at least one of claims 1 to 9, characterised in that the middle connecting pieces (7, 19) formed for example as a hollow cylinder and of which the end – formed as a fixing groove (12) – remote from the edged lid (9) forms part of the closure device between the upper and lower lid module by the slider (11), to be actuated manually, of the closure unit (6) and – beyond this function – is also a carrier of working pressure, pressure relief or safety valves formed on the pressure cooking pot.

CLAIMS

1. A pressure cooker (1) comprising:

a) a lid (2) including:

- i) an upper module including a closure unit (6), a middle plate (15) and fixing claws (20); and
- ii) a lower module including an edged lid (9) comprising a sealing lip (5) and valves (7, 8); and

b) a pot (3) comprising a pouring edge (4), adapted to cooperate with the sealing lip (5) of the lid (2) to seal the cooker for pressurized cooking via the fixing claws (20);

wherein the closure unit (6) comprises means for enabling an easily manageable separation of the upper module from the lower module such that the lower module can act as a lid for the pot during non-pressurised cooking.

2. The cooker according to claim 1, characterised in that the closure unit (6) can be fixed by fixing claws (20) to a cylindrical valve support (7) attached preferably centrally in the edged lid (9).

3. The cooker according to either claim 1 or claim 2, characterised in that the closure unit (6) comprising fixing claws (20) has a slider (11) guided resiliently by means of a fixed guide pin (23) and mounted in a horizontally displaceable manner with recesses engaging in one another, wherein a recess (24) performs the guiding function together with the valve support (7), and a recess (25) performs the latching function in conjunction with the groove (12).

4. The cooker according to at least one of claims 1 to 3, characterised in that the horizontally movable slider (11) integrated in the closure unit (6) has means guided outwardly from the closure unit which enable its functional manageability.

5. The cooker according to at least one of claims 1 to 4, characterised in that the upper lid module is closed towards the edged lid (9) by an axially fixed

middle plate (15) basically guiding connecting webs (22) and claws (20), connects, on the side of the middle plate remote from the edged lid, to the centrally rotatably mounted (34) closure unit (6), which effects a radial movement of the claws from the axial movement of the closure unit via vertically oriented drivers (30) guided in circular segment-shaped grooves (29) in the middle plate and engaging rotatably in the connecting webs, and the closure unit has, on the side remote from edged lid, a button-like cavity formed as a grip (21) for receiving the movable slider (11) and the fixed guide pin (23) as well as a cooking pin (14) showing the pressurised state.

6. The cooker according to at least one of claims 1 to 5, characterised in that the edged (id (9), as part of the lower lid module, receives the working pressure valve (7) and pressure relief or safety valve (8) characteristic of pressurised pressure cooking pots via its duct-like discharge openings (16) for working pressure (19) and overpressure (32) formed in the base and towards the middle plate (15).

7. The cooker according to at least one of claims 1 to 6, characterised in that the middle plate (15) fixed in position by the cylindrical valve connecting piece (8) contains recesses or bores (27, 28) for receiving or passing through the cylindrical valve connecting piece (7, 8) and the discharge openings (19, 32) thereof, the steams exiting here open on their side of the middle plate remote from the edged lid (9) in a sealed duct (16) defined by a doubly formed boundary - a gap (36) for receiving a seal -, wherein the duct lid is formed by the base of the rotatable closure unit (6) facing the edged lid, and via the lateral discharge opening thereof enter the atmosphere without contacting the closure device of the upper lid module.

8. The cooker according to at least one of claims 1 to 7, characterised in that the relative movement in the axial direction between the closure unit (6) and the middle plate (15) is given by the longitudinal extension of the grooves (29) in the middle plate extending in a circular segment-shaped manner and of the drivers (30) of the closure unit moving therein, and the extended cooking pin

(14) of a pressurised cooking pot (3) prevents a relative movement between the closure unit and the middle plate owing to the fixing in the bore (35) of the closure unit.

9. The cooker according to at least one of claims 1 to 8, characterised in that, the surface of the edged lid (9) remote from the cooking pot (3) forms a mechanical interface, when the upper lid module is removed, for receiving other functional parts - such as a standard middle button or a special vapour button - so as to form, with the edged lid, a conventional cooking pot lid for a depressurised cooking pot or a low-pressure cooking pot.

10. The cooker according to at least one of claims 1 to 9, characterised in that the middle connecting pieces (7, 19) formed for example as a hollow cylinder and of which the end - formed as a fixing groove (12) - remote from the edged lid (9) forms part of the closure device between the upper and lower lid module by the slider (11), to be actuated manually, of the closure unit (6) and - beyond this function - is also a carrier of working pressure, pressure relief or safety valves formed on the pressure cooking pot.

11. A pressure cooker lid (2) comprising:

- a) an upper module including a closure unit (6), a middle plate (15) and fixing claws (20); and
- b) a lower module including an edged lid (9) comprising a sealing lip (5) adapted to cooperate with a pouring edge (4), of a pot (3) to seal the pot to form a pressurised cooker via the fixing claws (20), and including valves (7, 8);

wherein the closure unit (6) comprises means for enabling an easily manageable separation of the upper module from the lower module such that the lower module can act as a lid for the pot during non-pressurised cooking.