

Claims

1. An apparatus (1) for roasting coffee beans, the apparatus (1) comprising:
a chamber (10) in which coffee beans can be received for roasting, and
a device (80) for roasting the coffee beans received in the chamber (10),
5 wherein the chamber (10) is delimited by at least a bottom (11) and a sidewall (12) extending from the bottom (11), wherein the sidewall (12) comprises an outer side (121) oriented to face away from the chamber (10), and wherein a temperature sensor (90) is provided at the outer side (121) of the sidewall (12) for sensing a temperature inside of the chamber (10).
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2. The apparatus (1) according to claim 1, wherein the chamber (10) has a height up to which the chamber (10) can receive the coffee beans in the chamber (10), wherein the temperature sensor (90) is arranged at or below this height.
- 15 3. The apparatus (1) according to claim 1 or 2, wherein the outer side (121) of the sidewall (12) comprises a recess (123), and wherein the temperature sensor (90) is at least in part arranged in the recess (123).
4. The apparatus (1) according to claim 3, wherein the recess (123) is arranged to
20 form a protrusion (124) on an inner side (122) of the sidewall (12), wherein the inner side (122) is oriented to face to the inside of the chamber (10).
5. The apparatus (1) according to claim 4, wherein the protrusion (124) is
25 arranged to come into direct contact with the coffee beans received in the chamber (10).
6. The apparatus (1) according to any one of claims 3 to 5, wherein the recess (123) is formed by an embossing in the sidewall (12).
- 30 7. The apparatus (1) according to any one of the preceding claims, wherein the temperature sensor (90) is arranged to transmit a first signal related to the sensed temperature for displaying the sensed temperature, such as for displaying the sensed temperature on a user interface (31) or display unit

and/or for displaying the sensed temperature on user device, which is wirelessly connected to the apparatus (1) or temperature sensor (90), and/or wherein the temperature sensor (90) is arranged to transmit a first signal related the sensed temperature for determining the presence of the chamber (10) based on the sensed temperature and/or electrical resistance.

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8. The apparatus (1) according to any one of the preceding claims, further comprising a control unit configured to control the device (80) for roasting of the coffee beans, preferably based on the transmitted first signal of the temperature sensor (90) and/or based on a second signal related to a roasting temperature sensed by a further temperature sensor of the apparatus (1), wherein the control unit is preferably configured to determine the presence of the chamber (10) based on the received first signal, and to avoid roasting of the coffee beans by the device (80) upon receipt of no first signal or the first signal exceeding or falling below a defined threshold value or range.
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9. The apparatus (1) according to any one of the preceding claims, wherein the apparatus (1), preferably the control unit, is configured to apply a correction factor to the temperature sensed by the temperature sensor (90), wherein the correction factor preferably depends on the geometry and/or material characteristics of the sidewall (12).
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10. The apparatus (1) according to any one of the preceding claims, wherein the apparatus (1) further comprises a user interface (31) or a display unit preferably configured to display the sensed temperature based on the transmitted or received first and/or second signal, and/or wherein the apparatus (1) further comprises a communication interface for wireless communication with a user device such as a smartphone.
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11. The apparatus (1) according to any one of the preceding claims, further comprising a receptacle (14), wherein the receptacle (14) comprises the chamber (10), wherein the receptacle (14) is preferably detachably attached to the apparatus (1).
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- 12.** The apparatus (1) according to claim 11, wherein the receptacle (14) comprises a handle (16), wherein the handle (16) is arranged such that at least in a plan view of the receptacle (14) the handle (16) covers the temperature sensor (90).
- 5 **13.** The apparatus (1) according to any one of the preceding claims, wherein the temperature sensor (90) is fixedly arranged with respect to the chamber (10) so that the temperature sensor (90) moves together with the chamber (10) when the chamber (10) is moved, such as when the receptacle (14) is detached, or wherein the temperature sensor (90) is arranged to remain stationary when
10 the chamber (10) is moved, such as when the receptacle (14) is detached.
- 14.** The apparatus (1) according to any one of the preceding claims, wherein the device (80) is arranged to generate a current of air in order to agitate the coffee beans received in the chamber (10), and/or wherein the device (80) is
15 arranged to generate a heated current of air to roast the coffee beans received in the chamber (10), wherein the device (80) preferably comprises a heating unit for heating up the current of air.
- 15.** The apparatus (1) according to any one of the preceding claims, wherein the
20 apparatus is a home appliance apparatus.