

CLAIMS

1. Apparatus (10) for roasting coffee beans comprising :
- a housing (4),
 - 5 - a roasting chamber (1) presenting a bottom opening (11) and a top opening (12),
 - an air driver (2) configured to drive air inside the roasting chamber through the bottom opening of said chamber,
 - a heater (3) positioned below the bottom opening of the chamber, said heater being configured to heat air driven inside the roasting chamber,
 - 10 - the air driver and the heater being positioned inside the housing (4) and the housing comprising a hot air outlet hole (41) designed to enable the passage of hot air from the housing inside the bottom opening (11) of the chamber,
 - a smoke and particles collector (6) configured to collect smoke and particles from the top opening (12) of the roasting chamber,
 - 15 - the roasting chamber (1) being removably mounted to the housing (4), the bottom opening (11) of the roasting chamber cooperating with the hot air outlet hole (41) of the housing and the top opening (12) of the roasting chamber cooperating with the smoke and particles collector (6) when the roasting chamber is mounted to the housing,
 - a chamber locking assembly (5) for locking the roasting chamber to the housing in a removable manner, wherein said chamber locking assembly (5) comprises :
 - a bottom device (51) for connecting the bottom opening (11) of the chamber to the hot air outlet hole (41) of the housing, said bottom device being configured to receive the bottom (1a) of the chamber and to hold the chamber,
 - a top fastening device (52) for connecting the top opening (12) of the chamber to the smoke and particles collector (6), said top fastening device comprising :
 - * a translatable connecting conduit (521) configured to connect the top opening (12) of the chamber to the smoke and particles collector (6), said connecting conduit being translatable without rotating,
 - * a fixed holding device (522) configured to hold the translatable connecting conduit (521) in at least three positions :
 - . one first upper position where the translatable connecting conduit (521) is hold by the fixed holding device (522) and disconnected from the top (1b) of the chamber,
 - . one second intermediate position where the translatable connecting conduit (521) is connected to the top (1b) of the chamber,
 - . one third lower position where the translatable connecting conduit (521) is detached from the fixed holding device (522).

2. Apparatus (10) for roasting coffee beans according to the precedent claim, wherein the bottom device (51) is configured to immobilize the chamber (1) in a vertical position.
- 5 3. Apparatus (10) for roasting coffee beans according to the precedent claim, wherein the bottom device (51) is jaws or a clamp.
4. Apparatus according to any one of the precedent claims, wherein :
- the top (1b) of the roasting chamber comprises a flange (14), and
- 10 - the bottom end of the translatable connecting conduit comprises a guiding rail (5211) designed to cooperate with said flange (14).