

ABSTRACT

An easy handling and installable fryer for cooking materials in an electric-field carrying space includes an oil pot base including an oil pot having an inner surface at least partially being a metal plate, and a metal mesh basket placeable in and out of the pot. The base includes a pot fastener that allows the basket to be placed in the pot without electricity conduction to the inner surface, and a conductor including a conducting electrode on an upper portion of a pot surface opposing a handling side, and insulated from the inner surface that conducts an alternating current to the basket in the pot. The basket includes a basket fastener that allows, with the pot fastener, the basket to be placed in the pot without electricity conduction to the inner surface, and an electricity receiver that receives electricity from the electrode and conducts electricity to the mesh basket metal.