

ABSTRACT

Space potential generation device, a storage device for maintaining a freshness of an object stored therein using such space potential generation device, and fryer provided with such space potential generation device

A space potential generator according to the present invention includes a transformer formed by magnetically connecting a primary coil and a secondary coil, a feedback control circuit feeding back one terminal of the secondary coil to one terminal of the primary coil to adjust voltage of the secondary coil, an output control portion provided on the other terminal of the secondary coil to impart low frequency vibration to an output of the secondary coil, a static electricity discharger formed of conductive material and provided on the other terminal of the secondary coil via the output control portion, the space potential generator does not have a grounding electrode, a weak current flowing through the secondary coil is 0.002 to 0.2 A, the static electricity discharger is covered with an insulating member to discharge predetermined static electricity to surrounding space, and electric field of target voltage is formed in the surrounding space by the discharged static electricity.

FIG. 1