

## **Abstract**

The invention relates to methods of household waste management, in particular, to methods of disposing waste by plasma-chemical destruction method. The invention is directed to attaining a technical effect of broadening range of technical solutions by providing a method of destruction of household waste at low temperature of treatment that is comparable to environment temperature. This technical effect is attained by a destruction method, where household waste is fed into a reactor via an input opening, and entry of atmospheric air into the reactor is restricted. The reactor is provided in form of a closed cavity, which inner surface is made conductive entirely or partially and grounded. An electrode protrudes into the reactor, and this electrode is isolated from the grounded surface. High-voltage pulses are supplied to the electrode. The pulses cause formation of corona discharge streamers in a gap between the electrode and the conductive surface of the reactor.

Fig. 1