ABSTRACT

PROCESS FOR DEACTIVATING OR DESTROYING MICROORGANISMS

Applying electrical energy to a microorganism through a liquid, gas or solid having electrical energy causes an increase in an electric charge in excess of the limit of intracellular and extracellular electrostatic capacity possessed by the microorganism, which results in an irreversible change in the microorganism cells and/or explosively destroys the border membrane of the microorganism cells.