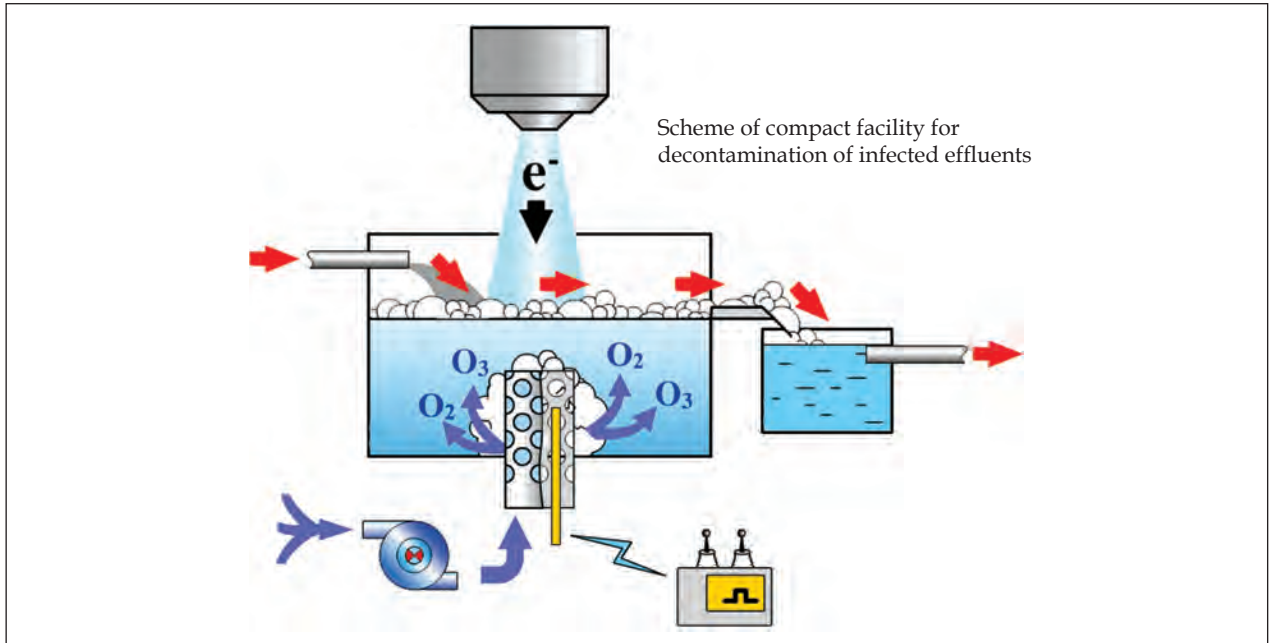


## COMBINED TECHNOLOGY FOR ELECTROPHYSICAL DECONTAMINATION OF INFECTED EFFLUENTS



### Areas of Application

This is an energy-saving combined technology for decontamination of infected effluents of whatever origin (for instance, liquid waste of tuberculosis and pathogenic diseases departments of hospitals) through combining the bactericide action of electrical discharge and electronic irradiation. The technology can apply locally for disinfection at medical establishments

### Specification

The technology is based on original two-stage method for decontamination of infected fluids using special forms of electric discharge products and 400 – 500 keV electronic beams

### Advantages

The technology has no counterparts. It differs from the existing techniques with a combined use of bactericide properties of various electrophysical methods. This enables to reduce costs of engineering framework for its implementation and to create a compact disinfection facility having dimensions of about  $4 \times 4 \times 3$  m, which can be used by small medical establishments and municipal operators of sewerage systems

### Stage of Development. Suggestions for Commercialization

IRL3, TRL3  
Technology is provided

### IPR Protection

IPR1

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