

**97-0025**

The invention relates to the mass exchange apparatus and may be used in chemical, food, oil production and other industry branches.

The mass exchange apparatus comprises a storage tank (1), mass-exchange portion (2) with a cover (3), electrodes, coupled to the high voltage source through high voltage entrances (4), as well as liquid feeding inlets and outlets (6), gas feeding inlets (7) and outlets (8). The mass-exchange portion (2) has a shape of a right angle parallelepiped and is executed in the form of a vertical plane parallel earth packet (9) in the upper portion of which there are installed the liquid distributors (10), communicating with the collectors (11) fixed on the mass-exchange portion surfaces (2) perpendicular to the electrodes plane and coupled to the liquid feeding inlets, between earthen electrodes in the equal distance there are installed vertical plane parallel high voltage electrodes (12) which are assembled in packets fixed and centered by the high voltage entrances (4).

The technical result consists in contact surface and liquid and steam relative movement velocity increasing, that conduct to intensive interaction thereof.

Claims: 1

Fig.: 3