

The invention relates to galvanochemistry, namely to an installation for obtaining of ferritic disperse sediments from spent chrome-bearing solutions and may be applied in the glass and paint varnish industry, as well as for sewage treatment in different branches of industry.

The installation, according to the invention, includes a horizontally installed cylindrical drum, wherein there are mounted some shelves and nets for placement of the charge, containing iron, coke and scaly cinder, an inlet branch pipe for the treated solution, magnets and an electric drive, the cylindrical drum being provided with an overflow branch pipe, wherein there is placed with clearance an axle, supported as a cantilever onto the cylindrical drum, onto which it is mounted a hermetic drum, made of diamagnetic material and filled $1/4 \dots 1/3$ parts full of the volume with spherical magnets, inside of which to its wall there are fixed some blades, bent towards its rotation. The hermetic drum is confined with clearance into an enclosure, communicating with the cylindrical drum by means of the overflow branch pipe and containing an outlet branch pipe for the treated solution, as well as a discharge port for the obtained sediments, wherein there is placed a spring-loaded scraper, fixed to the enclosure, coming in contact with the hermetic drum.

The result of the invention consists in increasing the efficiency of the galvanochemical process for ferritic disperse sediments obtaining.

Claims: 2

Fig.: 2