

The invention relates to the metallurgy of non-ferrous metals, in particular to the hydrometallurgy of antimony and gold, and can be used for electrolytic refining of antimony.

The antimony electrolytic refining plant comprises a cylindrical body (1) with a conical base (2) and with an electrolyte supply branch pipe (3). Inside the body (1) is placed a cylindrical cathode (4) with a consumable anode (5) of powdered antimony, placed in a narrowed textile diaphragm case (6), which is fixed, in the lower part, with a locking device (8) on a perforated plate (7) of the conical base (2), and in the upper part is fixed on a rim (9) and an inclined guide (10) with a drive mechanism (11). Inside the case (6) are placed perforated vertical pipelines (16) and a vertical conductive tube (12) with rods (13) and with a gear motor (14). The pipelines (16) and the tube (12) are connected to a recirculation pipe (15), which is equipped with a recirculation pump (17) and a recirculation flow supply branch pipe (18). The conical base (2) is connected to a container (19) for the extracted metal. The plant also contains a reservoir (21) with a pipe (20) and with a powdered antimony charging device (22).

Claims: 1

Fig.: 2

