

A process for the heavy metals electrodeposition from technological solutions and waste waters comprises treatment of solutions in electroreactor by alternating three-phase electrical current of commercial frequency. The solution is from time to time passed through six-electrode bipolar electroreactor. The electroreactor contains six steel electrodes, uniformly placed in a circumferential direction inside the electroreactor. The electrodes form two three-electrodes packs with possibility of connection of electrodes of every pack to all three phases of alternative current. In the interelectrode space an immovable bipolar aluminum electrode is disposed. The invention provides acceleration of the purification process by increasing velocity extraction of heavy metals, increasing device productivity, decreasing purifier's size, increasing periodicity and their use in working regime.