

The present invention may be used in the production of alumina during the electro-hydraulic processing of details with industrial deposit. This invention essentially relates to a method for the electro-hydraulic cleaning of non-rigid plate-like details, wherein said method involves arranging the details in a container, placing a positive and a negative electrodes at the surface of a detail and submerging the container in a working liquid while simultaneously displacing the positive electrode relative to the surface of the detail. The method also involves applying electric discharges on the detail at a frequency of up to 50 Hz. The negative electrode may consist of a metallic array which comprises cells having a size of  $h \times h$ , and which is arranged at a distance  $L$  from the surface of a detail, wherein  $h = (5-10)\delta$ ,  $L = (2-8)\delta$  and  $\delta$  is the thickness of the detail to be treated. The negative electrode may also consist of an industrial plate having a profile which is congruent to that of the details to be cleaned, wherein said plate is arranged tightly at the top of the stack of details to be treated. The positive electrode includes a flexible conductor in an elastic isolation as well as a primer rod made of thin wires and connected to said conductor by a removable connection. The removable connection is made in the form of two plates which are made of an electroconductive material and are separated by the flexible conductor and by the primer rod in the shape of a loop. This invention provides high cleaning levels of the details while avoiding the occurrence of residual deformation and through-burns therein.