

HIGH-STRENGTH EROSION ELECTRODE

ABSTRACT OF THE DISCLOSURE

The invention concerns a high-strength erosion
5 electrode having good electrical conductivity. Said
erosion electrode comprises a steel core, an intermediate
layer of copper or a copper-containing alloy, and an
outer layer containing at least 40 % zinc. The steel
core comprises a patented structure which contains
10 between 0.6 and 1 wt.% carbon and occupies an area of the
core corresponding to between 50 and 75 % of the erosion
electrode diameter, the intermediate layer occupying an
area of between 5 and 40 % of the total diameter, the
outer layer occupying an area of between 10 and 30 %, and
15 the zinc content of the outer layer being between 40 and
60 wt.%.