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(54) Title: ELECTROCATALYTIC COMPOSITION FOR OXYGEN-DEPOLARISED CATHODE

(57) Abstract: An oxygen-depolarised cathode for aqueous hydrochloric acid electrolysis membrane cells is described, the cathode being in contact with the membrane and capable of preventing the release of hydrogen into oxygen even at the highest current densities. Hydrochloric acid may also be of technical grade with a concentration limited to 15%, whereas the operating temperature must not exceed 60 °C. The cathode contains a mixture of rhodium sulphide and a metal of the platinum group applied in a single layer or alternatively applied separately in two distinct layers.