

Title (en)

PROCESS FOR THE ELECTROCHEMICAL COMPENSATION OF THE OXIDATION IN THE ELECTROCHEMICAL REGENERATION OF
COPPER ETCHING SOLUTIONS CONTAINING CHLORIDE

Publication

EP 0141905 B1 19861008 (DE)

Application

EP 84108467 A 19840718

Priority

DE 3330349 A 19830823

Abstract (en)

[origin: EP0141905A1] 1. Process for electrochemical compensation of air oxidation in the electrochemical regeneration of etching solutions containing copper chloride, the etching solution being passed through a regeneration unit with a cathode and an insoluble anode, to which direct voltage is applied, so that metallic copper is deposited at the cathode, whereas chlorine, which oxidises the copper (I) chloride to copper (II) chloride, is formed at the anode, characterized in that, for the purpose of dissociating water into gaseous oxygen and hydrogen ions, the anode is surrounded by a porous material which acts as a diaphragm and impedes access of chloride ions to the anode.

IPC 1-7

C23F 1/46

IPC 8 full level

C23F 1/46 (2006.01)

CPC (source: EP)

C23F 1/46 (2013.01)

Cited by

WO9114800A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 3330349 A1 19850314; DE 3460905 D1 19861113; EP 0141905 A1 19850522; EP 0141905 B1 19861008

DOCDB simple family (application)

DE 3330349 A 19830823; DE 3460905 T 19840718; EP 84108467 A 19840718