

Title (en)
Electrode with electrocatalytic coating.

Title (de)
Elektrode mit elektrokatalytischer Beschichtung.

Title (fr)
Electrode présentant un revêtement électrocatalytique.

Publication
EP 0437178 B1 19950913 (EN)

Application
EP 90810945 A 19901204

Priority
US 44777589 A 19891208

Abstract (en)
[origin: EP0437178A1] A coating is now disclosed which is especially serviceable as an improved electrocatalytic coating for an electrode. The coating is a crystalline coating of mixed oxides. The oxides are of iridium, ruthenium and titanium, in very specially defined proportions. When the coating is present on an electrically conductive metal substrate that can serve as an electrode, such electrode has, in combination, the characteristics of reduced oxygen evolution in a membrane cell, low chlorine electrode potentials, plus reduced coating weight loss in a caustic environment.

IPC 1-7
C25B 11/06

IPC 8 full level
C25B 11/10 (2006.01); **C25B 11/04** (2006.01); **C25B 11/06** (2006.01)

CPC (source: EP KR)
C23C 4/18 (2013.01 - KR); **C25B 11/053** (2021.01 - KR); **C25B 11/091** (2021.01 - KR); **C25B 11/093** (2021.01 - EP)

Cited by
US2013186750A1; DE102010023418A1; AU2011333664B2; US11634827B2; EP2390385A1; EP2450475A3; US10030300B2; US7566389B2; US8366889B2; US8617377B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0437178 A1 19910717; **EP 0437178 B1 19950913**; AR 245508 A1 19940131; AT E127863 T1 19950915; AU 640719 B2 19930902; AU 6785890 A 19910613; BR 9006109 A 19910924; CA 2030092 A1 19910609; CA 2030092 C 19981103; DE 69022386 D1 19951019; DE 69022386 T2 19960307; ES 2076349 T3 19951101; JP H03188291 A 19910816; KR 910012344 A 19910807; NO 302858 B1 19980504; NO 905305 D0 19901207; NO 905305 L 19910610

DOCDB simple family (application)
EP 90810945 A 19901204; AR 31849090 A 19901128; AT 90810945 T 19901204; AU 6785890 A 19901207; BR 9006109 A 19901130; CA 2030092 A 19901115; DE 69022386 T 19901204; ES 90810945 T 19901204; JP 32881690 A 19901128; KR 900020120 A 19901207; NO 905305 A 19901207