

Title (en)
ALLOYS OF THE TYPE FE₃AlTA(RU) AND USE THEREOF AS ELECTRODE MATERIAL FOR THE SYNTHESIS OF SODIUM CHLORATE OR AS CORROSION RESISTANT COATINGS

Title (de)
LEGIERUNGEN VOM TYP FE₃AlTA (RU) UND VERWENDUNG DAVON ALS ELEKTRODENMATERIAL ZUR SYNTHESE VON NATRIUMCHLORAT ODER ALS KORROSIONSBESTÄNDIGE BESCHICHTUNGEN

Title (fr)
ALLIAGES DU TYPE FE₃AlTA(RU) ET LEUR UTILISATION COMME MATÉRIAU D'ÉLECTRODE POUR LA SYNTHÈSE DE CHLORATE DE SODIUM OU COMME REVÊTEMENTS RÉSISTANTS À LA CORROSION

Publication
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Application
EP 13793202 A 20130426

Priority
• CA 2778865 A 20120525
• CA 2013050323 W 20130426

Abstract (en)
[origin: WO2013173916A1] Disclosed is an alloy of the formula: Fe₃-xAl₁+xMyTzTat wherein M represents at least one catalytic specie selected from the group consisting of Ru, Ir, Pd, Pt, Rh, Os, Re and Ag; T represents at least one element selected from the group consisting of Mo, Co, Cr, V, Cu, Zn, Nb, W, Zr, Y, Mn, Cd, Si, B, C, O, N, P, F, S, Cl, Na and Ti; and Ta represents tantalum. Such an alloy can be used as an electrode material for the synthesis of sodium chlorate. It can also be used as a coating for protection against corrosion.

IPC 8 full level
C22C 38/12 (2006.01); **B22F 9/04** (2006.01); **C22C 33/02** (2006.01); **C22C 38/06** (2006.01); **C23C 24/08** (2006.01); **C23C 30/00** (2006.01); **C25B 1/26** (2006.01); **C25B 11/04** (2006.01)

CPC (source: CN EP US)
B22F 9/04 (2013.01 - EP US); **C22C 33/02** (2013.01 - CN); **C22C 33/0278** (2013.01 - EP US); **C22C 38/002** (2013.01 - CN EP US); **C22C 38/06** (2013.01 - CN EP US); **C22C 38/12** (2013.01 - CN EP US); **C23C 30/00** (2013.01 - CN EP US); **C23F 13/14** (2013.01 - US); **C25B 1/265** (2013.01 - EP US); **C25B 11/04** (2013.01 - CN); **C25B 11/091** (2021.01 - EP US); **B22F 2009/041** (2013.01 - EP US)

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