

Title (en)

Novel rhodium based amorphous metal alloys and use thereof as halogen electrodes.

Title (de)

Amorphe Metall-Legierungen auf der Basis von Rhodium und Verwendung derselben als Halogen-Elektroden.

Title (fr)

Alliages métalliques amorphes à base de rhodium et leur utilisation comme électrodes dégageant du chlore.

Publication

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Application

EP 86304802 A 19860623

Priority

US 74799885 A 19850624

Abstract (en)

Novel rhodium based amorphous metal alloys having the formula Rh_rA_a where: A is B, P, As and mixtures thereof; r is from about 50 to 96 percent; and a is from about 4 to 50 percent. Novel rhodium based amorphous metal alloys are also based on the formula Rh_rB_bD_d where: D is Ir, Pd, Ru, Ti, Zr, Nb, Ta, Y, Hf and mixtures thereof; r is from about 50 to 96 percent; b is from about 4 to 50 percent; and d is from about 0 to 60 percent; and r + b + d = 100. Novel process for the generation of halogens from halide-containing solutions can be performed by employing the rhodium based metal alloys of the present invention.

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IPC 8 full level

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CPC (source: EP KR)

C22C 38/50 (2013.01 - KR); **C22C 45/003** (2013.01 - EP); **C25B 11/04** (2013.01 - EP); **C25B 11/091** (2021.01 - EP)

Citation (search report)

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