

Title (en)

APPARATUS FOR THE CONTINUOUS PRODUCTION OF A MULTIVALENT METAL BY ELECTROLYSIS OF A HALIDE THEREOF DISSOLVED IN A MOLTEN BATH

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0394154A1] Apparatus for continuous production of a polyvalent metal by electrolysis of a halide in a bath (2) of at least one molten salt. <??>It consists - of an electrodissproportionation cell (a) in the bath of which there are immersed at least one deposition cathode (4) and at least two anodes (5) connected to a source of at least partially direct electrical current; - of a prereluction cell (b) in the bath of which there are immersed at least one anode (6) and a cathode (3) which are separated from each other by a diaphragm (7) and are connected to a source of at least partially direct electrical current; - the cells (a) and (b) being adjoining and their common wall consisting of a grid insulated electrically from the walls of the cell and negatively polarised and forming the cathode (3) through which the bath travels by means of forced convection. <??>This apparatus makes it possible to dispense with variations in the composition and valency of the bath in the metal deposition zone and to prevent the formation of halogen near this zone. <IMAGE>

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