

Title (en)

METHOD, APPARATUS AND MEANS FOR PRODUCTION OF METALS IN A MOLTEN SALT ELECTROLYTE

Title (de)

VERFAHREN, VORRICHTUNG UND MITTEL ZUR HERSTELLUNG VON METALLEN IN EINEM SCHMELZFLÜSSIGEN SALZ ALS ELEKTROLYT

Title (fr)

PROCÉDÉ ET APPAREIL DE PRODUCTION DE TI DANS UN ÉLECTROLYTE À SEL FONDU

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Application

EP 07747642 A 20070530

Priority

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Abstract (en)

[origin: WO2007145526A1] This invention describes a method of producing a metal, $M_{z</SUB>1</SUB>}$, in an electrolytic cell consisting of a molten electrolyte, $M_{z</SUB>z</SUB>Y} - M_{z</SUB>z</SUB>O}$, at least one anode and at least one cathode, characterised in that the passage of current between said anode(s) and cathode(s) through said electrolyte, produces a metal, $M_{1</SUB>}$, from a raw material, $M_{1</SUB>X}$, containing a non-metallic species, X, under conditions such that the potential at the cathode causes the reduction of the $M_{z</SUB>z</SUB>}$ cation and the formation of $M_{2</SUB>}$ at activities less than one, and the potential at the cathode is insufficient to cause formation of $M_{z</SUB>z</SUB>}$ metal as a discrete solid or liquid phase, and the $M_{z</SUB>z</SUB>}$ so produced reduces the raw material, $M_{1</SUB>X}$, at the cathode, to $M_{1</SUB>}$.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [X] WO 03076690 A1 20030918 - BHP BILLITON INNOVATION PTY [AU], et al
- See references of WO 2007145526A1

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