

Title (en)

PROCESS FOR PRODUCING TRANSITION METAL POWDERS BY ELECTROLYSIS IN BATHS OF MOLTEN SALTS.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ÜBERGANGSMETALLPULVER DURCH SCHMELZFLUSSELEKTROLYSE.

Title (fr)

PROCEDE D'ELABORATION DE POUDRES DE METAUX DE TRANSITION PAR ELECTROLYSE EN BAINS DE SELS FONDUS.

Publication

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Application

EP 87900658 A 19870105

Priority

FR 8600390 A 19860106

Abstract (en)

[origin: WO8704193A1] The disclosed process is characterized in that the electrolysis is conducted in such a way that the voltage of deposition of said transition metal is lower by 0,1 - 0,4 volt than that of the alkaline or alkaline earth metal which is the easiest to reduce. The process may be applied to the production of powders whose sizes range from a few fractions of microns to 200 microns approximately of metals pertaining to the columns IVb, Vb, VIb of the periodic classification such as for example titanium, zirconium, hafnium.

Abstract (fr)

Ce procédé est caractérisé en ce que l'on conduit l'électrolyse de telle sorte que la tension de dépôt dudit métal de transition soit inférieure de 0,1 à 0,4 volt à celle du métal alcalin ou alcalino-terreux le plus facile à réduire. Il trouve son application dans l'élaboration de poudres de dimensions comprises entre quelques fractions de microns à 200 microns environ de métaux appartenant aux colonnes IVb, Vb, VIb de la classification périodique tels que par exemple le titane, le zirconium, l'hafnium.

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