

Title (en)

ELECTROCHEMICAL PRODUCTION OF RARE EARTH ALLOYS AND METALS COMPRISING A LIQUID ANODE

Title (de)

ELEKTROCHEMISCHE HERSTELLUNG VON SELTENERDLEGIERUNGEN UND METALLEN MIT EINER FLÜSSIGEN ANODE

Title (fr)

PRODUCTION ÉLECTROCHIMIQUE DE MÉTAUX ET D'ALLIAGES DE TERRES RARES COMPRENANT UNE ANODE LIQUIDE

Publication

**EP 3339480 B1 20210113 (EN)**

Application

**EP 16205757 A 20161221**

Priority

EP 16205757 A 20161221

Abstract (en)

[origin: EP3339480A1] The present invention disclose a method of recycling rare earth elements, rare earth alloys and/or rare earth metals from permanent magnets and/or scrap metals containing iron (Fe) and rare earth elements in a molten salt electrochemical process. The method comprises steps of: arranging an electrolysis cell comprising an anode compartment in communication with an electric lead of a liquid anode, wherein a cathode and/or a cathode product reservoir is collecting refined rare earth alloys, elements and metals in a solid or liquid state separated by a fluoride based liquid electrolyte.

IPC 8 full level

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CPC (source: EP)

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