

Title (en)
MELT METALLURGICAL METHOD FOR THE PRODUCTION OF METAL MELTS, AND TRANSITION METAL-CONTAINING CHARGE FOR USE THEREIN

Title (de)
SCHMELZMETALLURGISCHES VERFAHREN ZUR HERSTELLUNG VON METALLSCHMELZEN UND ÜBERGANGSMETALLHALTIGER ZUSCHLAGSTOFF ZUR VERWENDUNG IN DIESEN

Title (fr)
PROCÉDÉ DE MÉTALLURGIE DE FUSION POUR LA PRODUCTION DE BAINS MÉTALLIQUES ET ADJUVANT CONTENANT DES MÉTAUX DE TRANSITION DESTINÉ À ÊTRE UTILISÉ DANS CE PROCÉDÉ

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Application
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Abstract (en)
[origin: US2008236334A1] The invention relates to a process for producing a metal melt containing at least one base metal and at least one further alloy constituent, wherein the production takes place in a melting vessel with slag covering the melt. In accordance with the invention, for increasing the content of the alloy constituent of the melt, an additive is fed to the melt which contains said alloy constituent at a content of ≥ 5 -10 percent by weight of the alloy constituent, ≥ 5 -10 percent by weight of melting metallurgically harmless volatile matter, ≤ 5 percent by weight of sulfur and possibly fractions of further alloy constituents and/or slag formers. The additive is obtainable by ore leaching and by precipitation in the form of hydroxides and/or carbonates. The invention also relates to such an additive.

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