

Title (en)

METHOD FOR SEPARATING IMPURITIES OUT OF FEED STOCK IN COPPER MELTS

Title (de)

VERFAHREN ZUM ABTRENNEN VON VERUNREINIGUNGEN AUS EINSATZSTOFFEN IN KUPFERSCHMELZEN

Title (fr)

PROCEDE POUR EXTRAIRE DES IMPURETES DE MATIERES PREMIERES DANS DES MASSES DE CUIVRE EN FUSION

Publication

EP 1917369 A1 20080507 (DE)

Application

EP 06774744 A 20060817

Priority

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- AT 14332005 A 20050901

Abstract (en)

[origin: WO2007025317A1] The invention relates to a method for separating impurities out of slags, dusts, minerals, preparation residues of minerals or of recyclings or remaining substances, subsequently called feed stock. In order to save energy and reduce costs, the inventive method is characterized by the combination of the following features: melting the feed stock containing the impurities; forming a copper melt; bring the feed stock into contact with the copper melt while adding reducing agents, preferably coke and/or coal; vaporizing, if required, existing volatile compounds such as metal chlorides; reducing metals of the feed stock more noble than copper in the copper melt, and; forming a slag with constituents of the feed stock to be purified that is less noble than copper.

IPC 8 full level

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Citation (search report)

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DOCDB simple family (publication)

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