

Title (en)

METHOD FOR RECOVERING METALLIC CHROMIUM FROM SLAG CONTAINING CHROMIUM OXIDE

Title (de)

VERFAHREN ZUR RÜCKGEWINNUNG VON METALLISCHEM CHROM AUS CHROMOXID ENTHALTENDEN SCHLACKEN

Title (fr)

PROCEDE POUR LA RECUPERATION DE CHROME METALLIQUE A PARTIR DE LAITIER CONTENANT DE L'OXYDE DE CHROME

Publication

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Application

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Abstract (en)

[origin: WO0079014A1] The invention relates to a method for recovering metallic chromium from slag containing chromium oxide, from converter processes such as AOD, MRP, AOD-L, MRP-L, CLU, ASM, Conarc stainless steel or vacuum processes such as VOD, SS-VOD, RH and RH with lance. The slag produced at the end of a blasting or treatment process in a converter or a vacuum installation is tapped or drawn off unreduced. This slag is then charged into an electric furnace, which is also charged with a usual charge consisting of scrap and optionally, residual dust. Carbon and optionally, silicon are added. During the melting process, the chromium oxide contained in the slag is directly reduced to metallic chromium by the carbon and the silicon.

IPC 1-7

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