

Title (en)

Method for producing zinc by means of iron melt reduction.

Title (de)

Verfahren zu Zinkgewinnung durch Reduktion im Eisenbad.

Title (fr)

Procédé d'obtention du zinc par réduction dans un bain de fusion en fer.

Publication

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Application

EP 90122004 A 19901117

Priority

FI 896064 A 19891218

Abstract (en)

The invention relates to a method for producing zinc from oxidic zinc raw materials by reducing them in carbonaceous iron melt. In the method the zinc raw material is injected, together with a carbonaceous reducer, into the iron melt, so that the oxidic zinc is reduced and volatilized as metallic vapour. This vapour is discharged from the iron melt together with the carbon monoxide released in the reduction reaction and the carrier gas, and is conducted out of the reactor into a separate condenser, where the zinc is recovered by condensing.

IPC 1-7

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IPC 8 full level

C22B 19/20 (2006.01); **C22B 19/04** (2006.01)

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