

Title (en)

METHOD AND DEVICE FOR REDUCING THE OXYGEN CONTENT OF A COPPER MELT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERMINDERUNG DES SAUERSTOFFGEHALTES EINER KUPFERSCHMELZE

Title (fr)

PROCEDE ET DISPOSITIF POUR REDUIRE LA TENEUR EN OXYGENE D'UN BAIN DE CUIVRE

Publication

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Application

**EP 01956290 A 20010621**

Priority

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Abstract (en)

[origin: WO0208476A1] The invention relates to a method and to a device for reducing the oxygen content of a copper melt. One or a plurality of porous plugs is disposed in the lower zone of the copper melt, when seen in a perpendicular orientation, from which circulation gas emanates. The circulation gas rises in the copper melt and the copper melt itself is electrically stirred. The copper is first molten in a shaft furnace and is then guided to a treatment furnace via a transport channel. Both in the zone of the transport channel and in the zone of the treatment furnace the circulation gas emanates from the porous plugs and rises in the copper melt. From at least one of said porous plugs the circulation gas emanates in a composition comprising 30 % to 70 % of a reducing gas and 70 % to 30 % of an inert gas.

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