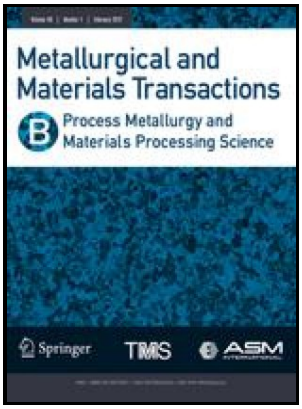
Electric furnace slag reduction, AC versus DC

National Library of Canada - Rate of slag reduction in a laboratory electric furnace— alternating vs direct current



Description: -
-Electric furnace slag reduction, AC versus DC
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Canadian theses = -- Thèses canadiennesElectric furnace slag reduction, AC versus DC
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Tags: #Electric #furnace #slag #reduction, #AC #versus #DC

Electric Arc Furnace

Thus the AC current before the rectifier is also constant, as is the primary current. Commercial Electricity savings are 0. The residual carbon content of the bricks ranges from 10 % to 14 %.

Electric Arc Furnace

Vacuum arc remelting VAR is a secondary remelting process for vacuum refining and manufacturing of ingots with improved chemical and mechanical homogeneity. In a particular application tap-to-tap times were decreased by 3 to 11% depending on operating conditions Worrell et al.

Electric Arc Furnace

Once this is melted in, the furnace can be charged with scrap.

DC Electric Arc Furnace

An insulating sheath isolates the copper housing from the billet.

Electric Arc Furnace

Better temperature distribution results into improved heat distribution. . The bottom contact plate is air cooled and is located in the centre of the furnace bottom.

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