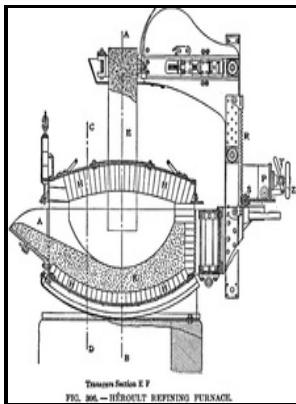


Electric furnace slag reduction, AC versus DC

National Library of Canada - DC Electric Arc Furnace



Description: -

-Electric furnace slag reduction, AC versus DC

Canadian theses = -- Thèses canadiennes Electric furnace slag reduction, AC versus DC

Notes: Thesis (M.A.Sc.) -- University of Toronto, 1998.

This edition was published in 1998



Filesize: 31.86 MB

Tags: #Slag #cleaning #in #crossed #electric #and #magnetic #fields

DC Electric Arc Furnace

There will be related CO₂ emission reduction.

DC Electric Arc Furnace

This difference appears to be greater for smaller AC furnaces. Already in 1881 in Germany and 1885 in Sweden, melting furnaces were described that used DC technology.

DC Electric Arc Furnace

Using rubber tyres, steelmaking costs are 80% of what they were when using coking coal. Magnesia ramming mix is used to maintain the brick area around the electrode. In the case of the DC-EAF, the thyristors have two copper terminations, one of which is attached to the EAF power cable, and other is attached to the bottom furnace electrode.

DC Electric Arc Furnace

A typical electrode stands about 15 feet 5 m tall and will be in various diameters. As a result, DC-EAF has a higher water flow rates for water-cooled panels.

Electric Arc Furnace

The hearth is also lined with this material.

Related Books

- [Mnt, udgivet af Svend Aakjaer.](#)
- [Chemical analysis and characterisation of commercially available segmented polyurethane elastomers.](#)
- [Longue marche de la modernité africaine - savoirs, intellectuels, démocratie](#)
- [Design philosophy for centrifugal fans](#)
- [Kitābshināš-i inqilāb-i mashr-utiyat-i Īrān](#)