

Title (en)
ELECTRIC FURNACE

Publication
EP 0077319 B1 19851227 (DE)

Application
EP 82890136 A 19820927

Priority
AT 434881 A 19811009

Abstract (en)
[origin: US4437187A] An electric furnace includes a lifting structure actuating a furnace cover and comprising a stationary supporting post. A lifting means is axially displaceably guided on the stationary supporting post by an upper and a lower bearing. The lifting column is liftable and lowerable by the lifting means and engageable with, and disengageable from, the furnace cover. In order to provide a lifting structure that enables either a lower construction height or substantially slighter forces in the bearings of the lifting column, the hollowly designed lifting column peripherally surrounds the stationary supporting post. The lifting means is articulately connected with a head plate closing the lifting column on its upper end and with a stationary part of the plant.

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H05B 7/00; **F27B 3/16**

IPC 8 full level
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CPC (source: EP US)
F27B 3/16 (2013.01 - EP US); **H05B 7/00** (2013.01 - EP US); **Y10S 254/04** (2013.01 - EP US)

Citation (examination)
EP 0056224 A1 19820721 - VOEST ALPINE AG [AT]

Cited by
DE102008028966A1; US5393037A; DE3514293A1; DE102010041694A1; WO9310413A1; WO2009153026A1; WO2012041947A1;
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JP 17746682 A 19821007; US 42322382 A 19820924