

Title (en)

ELECTRIC FURNACE, SUCH AS AN ELECTRIC-ARC FURNACE OR PLASMA MELTING FURNACE

Publication

**EP 0056224 B1 19840516 (DE)**

Application

**EP 81890210 A 19811223**

Priority

AT 3081 A 19810108

Abstract (en)

[origin: US4423515A] In an electric furnace a lifting means actuating the furnace cover includes a king post supported on the base. The king post is surrounded by a sleeve, which is liftable and lowerable relative to the same and has a cap on its upper end. The sleeve is hydraulically liftable and engageable with a cover carrying framework carrying the furnace cover. In order to provide for a lifting means with a low weight without constraining forces and with a structurally simple lubrication, a cylinder space to which a hydraulic medium is admitted is provided between a front face of the king post and the cap of the sleeve acting in the lifting direction. If desired, an annular space is provided between a collar of the king post and the inner wall of the sleeve, to which a hydraulic medium is provided, acting in the lowering direction.

IPC 1-7

**F27B 3/08**; **F27B 3/16**; **H05B 7/02**

IPC 8 full level

**F15B 15/14** (2006.01); **F27B 3/08** (2006.01); **F27B 3/10** (2006.01); **F27B 3/16** (2006.01); **H05B 7/02** (2006.01)

CPC (source: EP US)

**F27B 3/085** (2013.01 - EP US); **F27B 3/16** (2013.01 - EP US); **H05B 7/02** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

CH DE GB IT LI LU SE

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