

Title (en)  
ELECTRIC ARC FURNACE ARRANGEMENT

Publication  
**EP 0043322 A3 19820113 (FR)**

Application  
**EP 81401030 A 19810626**

Priority  
FR 8014488 A 19800627

Abstract (en)  
[origin: EP0043322A2] An electric arc furnace arrangement of which the furnace is tiltably mounted on a supporting base. The arrangement according to the invention is characterised in that the bottom (13) of the furnace (1) has a geometry of circular profile in the plane of tilting  $\pi$ , in that the supporting base (6) is shaped, in its upper part, as a cradle (14) whose concavity matches the geometry of the bottom (13), and in that the cradle (14) is equipped with a set of guide rollers (15) on which the furnace rests. Preferably, the circular profile of the bottom (13) is so defined that the axis of tilting (17) of the furnace passes through the geometric centre (18) of the points of attachment (16) of the electric cables (5) to suspensions of the electrodes (3). By employing novel kinematics of tilting in accordance with a simple rotating movement of the furnace about the axis of tilting (17), the invention reduces the lateral travel of the points of attachment (16) and thus permits a reduction in the length of the electric cables (5) and hence, inter alia, a reduction of the impedance of the electrical arrangement. <IMAGE>

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**F27D 11/10**

IPC 8 full level  
**F27B 3/08** (2006.01); **F27D 11/10** (2006.01)

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Citation (search report)

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