

Title (en)  
INDUCTION CRUCIBLE FURNACE

Publication  
**EP 0512465 A3 19930922 (DE)**

Application  
**EP 92107522 A 19920504**

Priority  
DE 4115279 A 19910510

Abstract (en)  
[origin: EP0512465A2] An induction crucible furnace having a hollow-cylindrical crucible (1), a furnace coil (3), partially encasing the crucible, and a plurality of magnetic yokes (4), pressed against the furnace coil and parallel to the furnace axis, which furnace has a right-parallelepipedal, preferably cuboid, body of cage construction. The furnace body comprises an upper frame, made up of at least four bars (6, 7, 8, 9) at right angles, a lower frame, made up of at least four bars (14, 15, 16, 17), at right angles, and at least one column (10, 11, 12, 13) at each corner for the right-angled connection of the two frames to form a right-parallelepiped, in particular a cube. The pressing of the magnetic yokes (4) against the furnace coil (3) takes place only via the flexurally rigid upper or lower frame. <IMAGE>

IPC 1-7  
**F27B 14/06**; H05B 6/02; F27D 1/00

IPC 8 full level  
**F27B 14/06** (2006.01); **F27B 14/08** (2006.01); **F27D 1/00** (2006.01); **F27D 11/06** (2006.01); **H05B 6/02** (2006.01); **H05B 6/22** (2006.01); **H05B 6/24** (2006.01); **F27B 14/02** (2006.01)

CPC (source: EP)  
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Citation (search report)

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Designated contracting state (EPC)  
BE DE ES FR GB IT

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**EP 0512465 A2 19921111**; **EP 0512465 A3 19930922**; **EP 0512465 B1 19960731**; DE 4115279 A1 19921112; DE 59206833 D1 19960905; ES 2091357 T3 19961101

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