

Title (en)  
INDUCTION FURNACE WITH A BODY AND A TOP

Publication  
**EP 0212072 B1 19920401 (DE)**

Application  
**EP 86106539 A 19860514**

Priority  
DE 3530471 A 19850827

Abstract (en)  
[origin: US4658404A] Disclosed is an induction furnace with a furnace bottom comprising a crucible, an induction winding and a gas-tight casing, also having a lid, for the furnace bottom, which lid has at least one gas connection, a charging valve and a pouring arrangement. The furnace bottom and lid are connected by a flange joint and tiltably mounted by means of a picot bearing and a drive about a tipping axis in a furnace stand. The pivot bearing is secured to the lid, the tipping mechanism engages the lid, and the furnace bottom is separable from the lid by unfastening the flange joint, the lid remaining in the furnace stand.

IPC 1-7  
**F27B 14/02**; **F27B 14/06**; **H05B 6/24**

IPC 8 full level  
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CPC (source: EP US)  
**F27B 14/02** (2013.01 - EP US); **F27B 14/06** (2013.01 - EP US); **F27B 14/061** (2013.01 - EP US); **F27B 14/08** (2013.01 - EP US); **F27D 3/14** (2013.01 - EP US); **H05B 6/26** (2013.01 - EP US); **F27D 2003/0062** (2013.01 - EP US)

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