

Title (en)  
COLD SMELT CRUCIBLE

Publication  
**EP 0345542 A3 19900516 (DE)**

Application  
**EP 89109367 A 19890524**

Priority  
DE 3819154 A 19880604

Abstract (en)  
[origin: EP0345542A2] Cold smelt crucible for the smelting of small quantities of metal in suspension. The crucible contains the crucible dish in its upper part and can be flanged with its base part to a vacuum line or to a corresponding vacuum apparatus. The crucible dish consists of appropriately shaped wall segments (1) which are separated from one another by slots and in which cooling channels (7) extend. Feed lines are introduced into these, starting from the base part (2). The coolant is introduced and drawn off via the base part (2). The object of the invention is to provide a crucible which is easy to repair, with a cooling system improved in comparison with the state of the art. This is achieved by means of an upper part formed from individual wall segments (1), by an intermediate part consisting of the discharge pipes (8, 9) and by a base part (2), in which are arranged annularly the coolant lines, from which the feed and discharge pipes (9) project out of the base part (2) in an annular arrangement.  
<IMAGE>

IPC 1-7  
**F27B 14/08**; F27D 9/00; F27B 14/10; H05B 6/32

IPC 8 full level  
**F27B 14/06** (2006.01); **F27B 14/08** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP)  
**F27B 14/063** (2013.01); **F27B 14/08** (2013.01); **F27D 9/00** (2013.01); **F27B 2014/0812** (2013.01)

Citation (search report)  
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Designated contracting state (EPC)  
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**EP 0345542 A2 19891213**; **EP 0345542 A3 19900516**; **EP 0345542 B1 19930331**; DE 3819154 C1 19900201

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