

Title (en)  
Cold skull melting crucible.

Title (de)  
Kalt-Schmelz-Tiegel.

Title (fr)  
Creuset froid de fusion.

Publication  
**EP 0467230 B1 19951004 (DE)**

Application  
**EP 91111644 A 19910712**

Priority  
DE 4022561 A 19900716

Abstract (en)  
[origin: EP0467230A1] Cold skull melting crucible for melting small quantities of metal in suspension. The crucible contains the crucible pan in its upper part while with the base part (2) it can be flanged onto a low- pressure line or a corresponding apparatus. The crucible pan is formed from end segments (1) which are separate from one another and manufactured individually and joined together, and in which cooling channels (6) run, in which supply lines (7) for the cooling agent, which start from the base part (2), are arranged, the base element (2) containing the supply and removal line for the cooling system. In this connection, removal pipes (8) for the cooling agent, which project from the base part, serve as connecting part between the upper part and the base part (2). The aim of the invention is a design of the crucible in which there is no hole in the central crucible region. This is achieved by means of a wall segment (1') which includes the centre of the pan and which is both designed as a flat segment and can also be formed in such a manner that it fits and fills a circular central opening, left free by the other wall segments (1), on the bottom of the crucible pan. <IMAGE>

IPC 1-7  
**F27B 14/10**; F27D 9/00; H05B 6/24

IPC 8 full level  
**F27B 14/06** (2006.01); **F27B 14/10** (2006.01); **F27D 9/00** (2006.01); **H05B 6/24** (2006.01); **F27D 1/00** (2006.01)

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