

Title (en)

Pressure type automatic pouring furnace for casting.

Title (de)

Druckofen zum automatischen Giessen von Gussstücken.

Title (fr)

Four automatique de coulée sous pression.

Publication

EP 0252318 A1 19880113 (EN)

Application

EP 87108317 A 19870609

Priority

JP 13191886 A 19860609

Abstract (en)

A pressure type automatic pouring furnace is formed with a molten metal outlet (26,28,30,32) which has an inner end opening (28) at lower elevation than the general portion of the floor of a molten metal chamber (12). Preferably, the molten metal chamber (12) is communicated with a groove type induction heater section at a lower section thereof so that the molten metal in the chamber can be effectively heated. In addition, the bottom wall of the molten metal outlet (30) is to be declined for a given angle, e.g. 3 DEG with respect to the horizontal plane so as to prevent the molten metal from accumulating within the outlet (32).

IPC 1-7

B22D 18/04; **B22D 39/06**; **C21C 1/10**

IPC 8 full level

B22D 18/04 (2006.01); **B22D 39/06** (2006.01); **C21C 1/10** (2006.01)

CPC (source: EP)

B22D 18/04 (2013.01); **B22D 39/06** (2013.01); **C21C 1/10** (2013.01)

Citation (search report)

- [A] CH 474302 A 19690630 - CT DE RECH S DE PONT A MOUSSON [FR]
- [A] BE 887917 A 19810701 - FISCHER AG GEORG
- [A] GIESSEREI, vol. 70, no. 9, 2nd May 1983, pages 268-274, Düsseldorf, DE; M. OGRISSEK: "Giesseinrichtungen für Gusseisen - bestehende und neue Steuersysteme und deren Anwendung"

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ES2143341A1; EP1649952A4; GB2388564B; EP0916435A1; AT404328B; US5908066A; US7204954B2; US7396504B2; WO0198004A1; WO2024188635A1; WO2024188634A1

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