

Title (en)

APPARATUS FOR SUPPLYING MOLTEN METAL AT PREDETERMINED RATE

Title (de)

VORRICHTUNG ZUM ZUFÜHREN VON METALLSCHMELZE IN VORGEGEBENEN MENGEN

Title (fr)

DISPOSITIF D'ALIMENTATION DE METAL EN FUSION A UNE VITESSE DETERMINEE

Publication

EP 0901854 B1 20060125 (EN)

Application

EP 98901083 A 19980130

Priority

- JP 9800416 W 19980130
- JP 2115997 A 19970204

Abstract (en)

[origin: WO9833612A1] A molten metal supply apparatus provided with a sealed pot (1) having a molten metal supplying port (2) and a molten metal discharging port (3) and disposed in a molten metal retaining furnace (5), a molten metal discharging pipe (7) connected to the molten metal discharging port (3), a pair of valves (8, 38) adapted to be moved vertically in the pot (1) and open and close the molten metal supplying port (2) and a molten metal discharging port (3), a level detecting means (10) for detecting upper and lower limit levels (L1, L2) of a molten metal (6) in the pot (1), and a pressurization and depressurization means (20) for pressurizing the interior of the pot (1) by supplying an inert gas to the interior thereof, or depressurizing the interior of the pot (1) by discharging the inert gas to the atmospheric air or forcibly sucking the inert gas from the pot (1), the molten metal (6) flowing from the molten metal supplying port (2) into the pot (1) being pressurized from the upper limit level (L1) to the lower limit level (L2), whereby the molten metal (6) in the pot (1) being discharged from the molten metal discharging port (3) through the molten metal discharge pipe (7).

IPC 8 full level

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CPC (source: EP)

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