

Title (en)

Molten metal handling vessels.

Title (de)

Handhabung von Giesspfannen für flüssiges Metall.

Title (fr)

Manipulation de poches à couler pour métal liquide.

Publication

EP 0337742 A2 19891018 (EN)

Application

EP 89303586 A 19890411

Priority

GB 8808624 A 19880412

Abstract (en)

Molten metal handling vessels e.g. ladles for holding e.g. molten steel having slide gate valves for controlling the flow of molten metal therefrom. Apparatus (1,20) has a container (2,21) to hold a supply of particulate matter (3,22), the container having an outlet and means (6,25) for opening and closing the outlet for controlling the flow of particulate matter from the container and means (4,8,23,30) for conveying the particulate matter to the bore of a slide gate valve assembly of a vessel. The apparatus enables particulate matter to be accurately conveyed to a slide gate bore without the need for steelworks personnel to be exposed to the hazardous task of applying particulate matter manually to very hot vessels. In addition the apparatus enhances the free-opening of slide gate valves by reducing the incidence of blocked slide gate valve assemblies.

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