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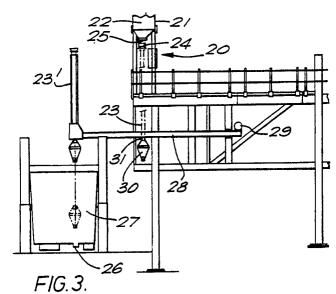
Molten metal handling vessels.

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.







EUROPEAN SEARCH REPORT

EP 89 30 3586

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	DOCUMENTS CONSI	DERED TO BE RELEV	ANT	
ategory	Citation of document with ir of relevant pa	dication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	FR-A-2 491 364 (F. * claim 1 *	MORIVAL)	1	B 22 D 41/08
A	DE-A-2 816 867 (CE * claim 9 *	NTRO SPERIMENTALE)	1	
Α	PATENT ABSTRACTS OF vol. 11, no. 333 (MOctober 1987; & JP-2 (SUMITOMO) 26.05.19	-637)(2780), 30 A-62114748	1	
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	The present search report has b	een drawn up for all claims		
	Place of search	Date of completion of the sear	1	Examiner
В	ERLIN	31-08-1990	GOL	DSCHMIDT G
Y: pa do A: tec O: no	CATEGORY OF CITED DOCUME rticularly relevant if taken alone rticularly relevant if combined with an cument of the same category chnological background mo-written disclosure termediate document	E : earlier pat after the f other D : document L : document	f the same patent fam	olished on, or on s

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