Title (en)
Retaining and/or pouring means for tanks for metal melting baths.

Title (de)
Vorrichtung zur Halterung und/oder zum Ausgiessen für Behälter für Metallschmelzbäder.

Title (fr)
Dispositif pour retenir et/ou verser pour cuves pour bains de métaux coulées.

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EP 0401988 B1 19931124 (EN)

Application
EP 90305293 A 19900516

Priority
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Abstract (en)
[origin: EP0401988A2] The invention relates to means for retaining contaminations in metal melting baths, e.g. a tundish containing molten metal. Contaminations, e.g. from slag and other covering layers on the metal surface, can pass through the outlet of the tundish and hence contaminate the cast metal. The invention aims to avoid this problem by providing an annular buoyancy body (2) which surrounds the outlet (4), the body (2) being in the form of a protective ring preventing particles (10, 11) floating on the surface of the metal (12) from entering outlet (4). The body (2) may be constrained to surround a starting tube (1) which surrounds outlet (4) and to float up the starting tube (1) with increasing depth of molten metal (12). Pouring openings (3) in the starting tube (1) are thereby effectively closed by body (2) as the slag-covered surface of the metal (12) rises above the openings (3) and the openings (3) are then exposed to allow molten metal (12) to flow through only after layers (10, 11) of potential contaminations have safely passed.

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B22D 41/08

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Cited by
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