

Title (en)
Casting apparatus.

Title (de)
Giessmaschine.

Title (fr)
Machine à couler.

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Application
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Priority
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Abstract (en)
A casting apparatus (1) comprises a tank (2) receiving molten metal (3) in use, a housing (73) comprising a dispensing cylinder (4) and a valve means (8) in communication with the cylinder, locating means (12,14) for removably locating the housing in the tank, a dispensing port (10), connection means (80) defining a passageway (30,81) between the valve means and the dispensing port, the connection means including a releasable coupling (59,61) through which the passageway normally extends and having first and second parts (59,61) which are separable to facilitate removal of the housing, the first and second parts being connected to the dispensing port and the valve means respectively and being relatively swivelable to allow adjustment of the housing relative to the tank. The first part (59) of the coupling is mounted on an internal surface (82) of the tank beneath the normal level (3a) of molten metal in the tank and the housing is held in position by a compliant mounting (43,71). The apparatus is suitable for casting low melting point alloys to be used as cores in plastic mouldings.

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Citation (search report)
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• [A] PATENT ABSTRACTS OF JAPAN, vol. 4, no. 132 (M-32)[614], 17th September 1980; & JP-A-55 088 970 (TOSHIBA KIKAI K.K.) 05-07-1980

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