

Title (en)
Method and apparatus for precision casting.

Title (de)
Vorrichtung und Verfahren zum Präzisionsgiessen.

Title (fr)
Dispositif et procédé pour couler avec précision.

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Application
EP 91304192 A 19910509

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JP 12438390 A 19900515

Abstract (en)
[origin: EP0457502A1] A method for precision casting of titanium or titanium alloy which comprises establish molten metal by induction heating in a assembly formed with water cooled copper segments (2a,2b...2h) disposed circlewise on the inside of an induction coil (5) in a state insulated from each other and casting the molten metal into a permeable mold (21) by vacuum casting. A precision casting method for titanium or titanium alloy which comprises an induction coil (5), an assembly (2) formed with the aforementioned copper segments (2a,2b...2h) and fed with base metal (6) from the under side thereof and a permeable mold for casting the base metal molten in the assembly (21) by means of vacuum casting. According to this invention, it is possible to obtain precision castings of metals having high melting points and high activity such as titanium, titanium alloy or the like. <IMAGE>

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