

Title (en)
METALLURGICAL VESSEL COMPRISING A TAPPING DEVICE AND METHOD FOR THE CONTROLLED, SLAG-FREE EXTRACTION OF
MOLTEN METAL FROM SAID VESSEL

Title (de)
METALLURGISCHES GEFÄSS MIT EINER ABSTICHVORRICHTUNG UND VERFAHREN ZUM KONTROLLIERTEN, SCHLACKENFREIEN
ABZIEHEN VON FLÜSSIGEM METALL AUS DIESEM GEFÄSS

Title (fr)
CUVE METALLURGIQUE DOTÉE D'UN DISPOSITIF DE COULÉE ET PROCÉDE DE SOUTIRAGE COMMANDE ET SANS SCORIES DE METAL
LIQUIDE DE CETTE CUVE

Publication
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Application
EP 00925154 A 20000331

Priority
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• EP 0002903 W 20000331

Abstract (en)
[origin: US6596221B1] In a metallurgical vessel (1) having a tapping apparatus (5) for the slag-free withdrawal of liquid metal (3) from a molten metal bath (3) which is disposed in the vessel (1), a first leg (11) of a discharge duct (10) passes through the refractory vessel wall (15) and an overflow edge (14) in the connecting region of the two legs (11, 12) of the discharge duct (10) is higher than the upper edge (18) of the inlet opening (17) of the discharge duct. The molten metal (3) in the discharge duct is preferably inductively heatable.

IPC 1-7
F27D 3/14; F27B 3/19

IPC 8 full level
F27B 3/08 (2006.01); **B22D 11/10** (2006.01); **B22D 11/113** (2006.01); **B22D 39/00** (2006.01); **B22D 41/14** (2006.01); **C21C 5/46** (2006.01); **F27B 3/06** (2006.01); **F27B 3/19** (2006.01); **F27B 3/20** (2006.01); **F27B 3/28** (2006.01); **F27D 3/14** (2006.01); **F27D 3/15** (2006.01); **F27D 11/08** (2006.01); **F27D 3/00** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 0060297A1

Cited by
DE102013219682A1; DE102013219686A1; CN102735066A; US5537934A; WO2015043900A1; DE102008008033A1; WO2015043910A1; EP4311994A1; WO2024023095A1

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