

Title (en)
Die mounting

Title (de)
Formmontage

Title (fr)
Fixation d'un moule

Publication
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Application
EP 05255609 A 20050914

Priority
GB 0420611 A 20040916

Abstract (en)
The present invention provides a horizontal continuous casting apparatus comprising an inert gas-purged resistance-heated type furnace 1, a crucible 6 for containing molten metal and having an outlet 8 for molten metal, coupled to a casting die 14, and a first clamping device 28-30,32 for securing the die 14 in sealing communication with the crucible 6. A carrier adaptor 44 of an oxidation resistant refractory material comprises: a feed nozzle 50 between the crucible outlet 8 and a casting die inlet 39, a female mounting portion 52 for receiving, in sealing inter-engagement, a male mounting portion 54 of the die 14, and sealing means 58 for inter-engagement with the furnace wall 34 around the aperture 36. A second clamping device 68,70,72, is provided for releasably securing the carrier adaptor 44, in sealing inter-engagement, to the crucible 6 and furnace wall 34. The first clamping device 28-30,32 releasably secures the casting die 14 to the carrier adaptor 44.

IPC 8 full level
B22D 11/045 (2006.01)

CPC (source: EP US)
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Citation (search report)
• [A] WO 9007997 A1 19900726 - DAVY MCKEE SHEFFIELD [GB]
• [A] DATABASE WPI Section Ch Week 198346, Derwent World Patents Index; Class M22, AN 1983-819305, XP002362852

Cited by
CN103017541A; CN103658572A

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