

Title (en)
ASSEMBLED REFRACTORY FEEDING CONDUIT FOR HORIZONTAL CONTINUOUS CASTING

Publication
EP 0133896 B1 19880817 (DE)

Application
EP 84107315 A 19840626

Priority
DE 3328586 A 19830808

Abstract (en)
[origin: US4627481A] A refractory conduit assembly for the transfer of molten steel from a discharge vessel to an ingot mold of a horizontal continuous casting plant includes a replaceable spout member adapted to be removably connected at a predetermined location to the refractory lining of a vessel. The spout member has therethrough a discharge channel to receive from the interior of the vessel a flow of molten steel. A shut off device is provided to interrupt the flow to the discharge channel. A casting tube has therethrough a flow passage with inlet and outlet ends. A coupling device connects the inlet end of the flow passage to the discharge channel, such that the flow of molten metal passes through the casting tube. The outlet end of the flow passage has an altered cross-sectional configuration adapted to that of the ingot mold. A nozzle has an inlet end connected to the casting tube and an outlet end having thereat a portion to sealingly contact walls of the ingot mold. The nozzle has therethrough a flow channel to pass the flow of molten steel from the casting tube to the ingot mold.

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