

Title (en)

FEEDING DEVICE FOR LIQUID METAL WITH TEMPERATURE CONTROL IN THE CONTINUOUS CASTING OF TUBES

Publication

**EP 0183118 B1 19880601 (FR)**

Application

**EP 85114315 A 19851111**

Priority

FR 8418084 A 19841126

Abstract (en)

[origin: ES8608965A1] In a continuous vertical ascending casting installation for iron pipes T, graphite elements 3 defining a molten metal feed chimney 28, a die and coaxial core arrangement 13, 14 and an expansion vessel 16 are mounted under a cover 2 of an electric furnace 1. In use these graphite elements are immersed in a bath of molten metal contained in the hearth area 7 of the furnace, to thus enable precise temperature regulation and control. The outer surface of the die 13 is surrounded by a water cooling jacket 18, and the level of molten iron in the hollow cavity 25 of the core 14 is varied by the expansion vessel 16, to provide even finer control of the temperature gradient within the annular casting space. The overall arrangement is thus similar to a double boiler.

IPC 1-7

**B22D 11/00**

IPC 8 full level

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