

Title (en)

Ingot mould with large cross section for the hot top type vertical continuous casting of metals

Title (de)

Grossflächige Vertikal-Stranggiesskokille mit Einsatz zum Stranggiessen von Metallen

Title (fr)

Lingotière à section large pour la coulée continue verticale en charge des métaux

Publication

EP 1097762 B1 20030625 (FR)

Application

EP 00402986 A 20001027

Priority

FR 9914030 A 19991105

Abstract (en)

[origin: EP1097762A1] A large sectioned ingot mould for the vertical continuous casting of metals comprises a cooled tubular metal element (9) and capped by a hot top (8) of thermal insulating refractory. The tubular element (9) is formed by an assembly of metal plates defining a measuring passage (12) for the cast metal, certain (14) of these plates termed as larger walls being backed with a rigidly fixed reinforcing counter plate (16). The ingot mould is characterised in that the upper part of each large wall (14) presents a recessed shoulder (23) with respect to the inner passage (12) for the cast metal in order to hold one (24) of the jaws of a clamping clip (22), of elongated form assuring a clamping continuously distributed along the said large wall (14), and being covered by the top of this latter and its associated counter plate (16) in contact with the other jaw (28) of the clip (22). A system (29, 30) for the regulation of the clamping of the plate (14) and counter plate (16) is provided on the clip (22). The shoulder (23) also provides a space left free by the clip (22) to receive the refractory hot top (8).

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

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