

Title (en)

Continuous casting process of metallic profiles

Title (de)

Verfahren zum Stranggiessen von metallischen Profilen

Title (fr)

Procédé pour la coulée continue d'ébauches de profilés en métal

Publication

EP 1712314 A1 20061018 (FR)

Application

EP 05102919 A 20050413

Priority

EP 05102919 A 20050413

Abstract (en)

The procedure uses a continuous feed of molten metal, especially steel, into a mould that supports a funnel-shaped refractory riser (14). The molten metal is delivered to the funnel through an immersed nozzle (22) above a chicane (26) designed to dissipate the basic kinetic energy of the jet from the nozzle, while the cross-section of the funnel's outlet end corresponds to the shape of the metal profile being produced, e.g. H, I, L or T, with its greatest dimension not exceeding 50 mm. The chicane can be formed by a series of pierced holes (30) or a spiral channel in the funnel base (28), reducing the speed of the molten metal flow from an initial 50 - 80 m/min to 5 - 10 m/min.

IPC 8 full level

B22D 11/118 (2006.01)

CPC (source: EP)

B22D 11/009 (2013.01); **B22D 11/0401** (2013.01); **B22D 11/18** (2013.01); **B22D 41/507** (2013.01)

Citation (search report)

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