

Title (en)

Apparatus providing continuous expandable quench surface and casting method.

Title (de)

Giessverfahren und Apparat mit kontinuierlich dehnbarer Abschreckoberfläche.

Title (fr)

Procédé de coulée et dispositif avec surface de trempe extensible de manière continue.

Publication

**EP 0025098 A1 19810318 (EN)**

Application

**EP 80104010 A 19800711**

Priority

US 6725679 A 19790817

Abstract (en)

An improvement is provided in the apparatus and method for continuous casting of metallic filament wherein a stream of molten metal is directed onto the quench surface (14) of a rotating quench wheel (17). The invention substantially eliminates the problem of crowning or thermal-bowing of the quench surface, thus providing a transversely flat quench surface and thereby providing for the transverse cross-sectional constancy of the cast filament. The invention comprises at least three radial expansion joints (31) symmetrically situated about the quench wheel (17) that allow unrestrained radial thermal growth of the hoop-like quench surface while maintaining concentricity of the quench surface with the shaft of rotation (18) of the quench wheel.

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**B22D 11/06**

IPC 8 full level

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**B22D 11/005** (2013.01); **B22D 11/0651** (2013.01)

Citation (search report)

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