

Title (en)

Method for strip casting Cu-alloys

Title (de)

Bandgiessverfahren für Kupferlegierungen

Title (fr)

Procédé pour la coulée en bande d'alliages de Cu

Publication

**EP 0526755 B1 19990526 (DE)**

Application

**EP 92111649 A 19920709**

Priority

DE 4126079 A 19910807

Abstract (en)

[origin: EP0526755A2] The invention relates to a casting method for the production of a strip-shaped strand consisting of a molten precipitate-forming and/or stress-sensitive and/or segregation-prone copper alloy. According to the invention, the method is characterised by the fact that a strand up to a thickness D & 8 mm is cast while maintaining a solidification rate  $\dot{T}$  = 0.2 to 8 mm/s. This ensures, as regards precipitate-forming copper alloys, that the formation of the precipitates is completely suppressed or occurs only in the form of very fine dispersions without further aftertreatment, as regards the stress-sensitive copper alloys, that the build-up of internal stresses is largely avoided and that, as regards segregation-sensitive alloys, the occurrence of segregations is diminished to such an extent that the alloys can be cold-formed directly. A broad spectrum of copper alloys can be treated by the casting method according to the invention.

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