

Title (en)  
METHOD FOR STRIP CASTING CU-ALLOYS

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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 @ = 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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IPC 8 full level  
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Citation (search report)

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**EP 0526755 A2 19930210; EP 0526755 A3 19950215; EP 0526755 B1 19990526;** AU 2074692 A 19930225; AU 647650 B2 19940324; DE 4126079 A1 19930211; DE 4126079 C2 19951012; DE 59209699 D1 19990701; FI 923521 A0 19920805; FI 923521 A 19930208; FI 97605 B 19961015; GR 3030965 T3 19991130; JP 3058376 B2 20000704; JP H07268506 A 19951017

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