

Title (en)

Process for production of continuously cast strips and wires

Title (de)

Verfahren zur Herstellung von stranggegossenen Bändern und Drähten

Title (fr)

Procédé de fabrication de bandes et fils coulés en continu

Publication

**EP 0456296 B1 19960306 (DE)**

Application

**EP 91200921 A 19910418**

Priority

DE 4014430 A 19900505

Abstract (en)

[origin: CA2041012A1] In a process of producing strip or wire, which consists of a monotectic aluminum-silicon alloy comprising a matrix consisting of aluminum and an aluminum-silicon eutectic system and as a minority phase 1 to 50% by weight lead or bismuth included in said matrix, which strip or wire has been continuously cast at a high casting velocity and a high cooling rate from a molten material which has been heated to a temperature above the segregation temperature, and which strip or wire has been subjected to plastic deformation and to a heat treatment, the minority phase which is embedded in the form of elongate platelets in the strip or wire is transformed to more compact shapes by a heat treatment at temperatures of 550 to 600.degree.C.

IPC 1-7

**C22C 21/02**; **C22F 1/043**

IPC 8 full level

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CPC (source: EP KR US)

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