

Title (en)
Process of manufacturing semi-finished products in aluminium

Title (de)
Verfahren zur Herstellung von Aluminium Halbzeugen

Title (fr)
Procédé de fabrication de produits semi-finis en aluminium

Publication
EP 0845542 B1 20020925 (DE)

Application
EP 97110712 A 19970701

Priority
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Abstract (en)
[origin: EP0845542A1] Producing workpieces or semi-finished products of a wear resistant aluminium alloy containing intermetallic phase-forming additions involves: (a) casting the alloy melt to a body of small dimension to achieve a high cooling rate such that the precipitating intermetallic phase crystals are homogeneously distributed and have a defined size; (b) heating the body to temperatures in the heterogeneous molten aluminium/intermetallic phase region to produce sufficient melting of the aluminium that the body can flow under the force of gravity; and (c) shaping the body to a workpiece or semi-finished product of larger dimension.

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