

Title (en)

A method for optimising a process for extrusion of an aluminium section

Title (de)

Verfahren zum Optimieren eines Verfahrens zum Strangpressen eines Aluminiumprofils

Title (fr)

Procédé pour optimaliser un procédé de filage d'un profilé en aluminium

Publication

EP 1616639 A1 20060118 (EN)

Application

EP 05009433 A 20050429

Priority

IT VR20040115 A 20040714

Abstract (en)

A method for optimising a process for extrusion of an aluminium section, in which the section (1) is obtained using a die with a predetermined shape. Extrusion is performed in such a way that the section (1) has, in cross-section, at least at one portion, alternating zones (2) with a thickness H2, and zones (3) with a thickness H1 greater than the thickness H2 of the zones (2). For the optimised process it is possible to identify an extrusion limit speed VL2 corresponding to the maximum extrusion speed that can be reached without deterioration of the surface of the section (1) obtained according to the optimisation process. The extrusion limit speed VL2 being equal to the limit speed VL1 for a non-optimised section when the weight per unit of length PR2 of the section (1) is lower than the reference weight PR1 of the non-optimised section, and higher than the limit speed VL1 if the weight per unit of length PR2 of the section (1) is equal to or greater than said reference weight PR1.

IPC 8 full level

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Citation (search report)

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