

Title (en)

A method of producing an unrecrystallized aluminum based thin gauge flat rolled, heat treated product.

Title (de)

Verfahren zur Herstellung eines nichtkristallisierten, flachgewalzten, dünnen, wärmebehandelten Produktes auf Aluminiumbasis.

Title (fr)

Procédé de fabrication d'un produit mince à base d'aluminium, non recristallisé, laminé à plat et thermiquement traité.

Publication

EP 0368005 A1 19900516 (EN)

Application

EP 89118810 A 19891010

Priority

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- US 25652188 A 19881012
- US 25684088 A 19881012

Abstract (en)

A treatment of aluminum alloy produces an unrecrystallized Al-Zn-Mg thin gauge flat rolled product having improved levels of strength and fracture toughness. The method comprises providing a body of a Zn-Mg containing aluminum base alloy, working the body to a flat rolled product and then subjecting the product to a ramp anneal followed by solution heat treating, quenching and aging as shown in Fig. 1. The rolled product may be subjected to an isothermal soak before annealing. The working may comprise intermediate heat treating.

IPC 1-7

C22C 21/10; **C22F 1/04**; **C22F 1/053**

IPC 8 full level

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Citation (search report)

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