

Title (en)
SIMPLIFIED METHOD FOR MAKING ROLLED AL-ZN-MG ALLOY PRODUCTS, AND RESULTING PRODUCTS

Title (de)
VEREINFACHTES VERFAHREN ZUR HERSTELLUNG VON GEWALZTEN PRODUKTEN AUS AL-ZN-MG-LEGIERUNGEN, UND DADURCH HERGESTELLTE PRODUKTE

Title (fr)
PROCEDE DE FABRICATION SIMPLIFIE DE PRODUITS LAMINES EN ALLIAGES AL-ZN-MG, ET PRODUITS OBTENUS PAR CE PROCEDE

Publication
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Application
EP 03767916 A 20031106

Priority
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• FR 0213859 A 20021106

Abstract (en)
[origin: FR2846669A1] The production of an aluminum alloy intermediate product comprises: (a) the semi-continuous casting of plate of an Al-Zn-Mg alloy; (b) subjecting the plate to a homogenization or reheating at a temperature (T1), where 500 degrees C at most T1 at most (Ts-20 degrees C) where Ts is the burning temperature; (c) effecting a first stage of hot rolling with one or more passes at an inlet temperature (T2) where (T1-30 degrees C) at most T2 at most (T1-5 degrees C) and an outlet temperature (T3) where (T1-100 degrees C) at most T3 at most (T1-30 degrees C); (d) rapidly cooling the strip from the hot rolling stage to a temperature (T4); (e) effecting a second hot rolling stage in a tandem mill at an inlet temperature (T5), where T5 at most T4 and 200 degrees C at most T5 at most 300 degrees C and rolling so that the coiling temperature (T) is such that (T5-150 degrees C) at most T6 at most (T5-50 degrees C). Independent claims are also included for: (a) an aluminum alloy product obtained by this method; (b) welded constructions incorporating this product

IPC 8 full level
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