

Title (en)

ROLLED OR EXTRUDED ALUMINIUM AL-MN ALLOY PRODUCTS WITH IMPROVED CORROSION RESISTANCE

Title (de)

WALZ- ODER EXTRUSIONSPRODUKTE AUS AL-MN-LEGIERUNG MIT ERHÖHTER KORROSIONSBESTÄNDIGKEIT

Title (fr)

PRODUITS LAMINES OU FILES EN ALLIAGE D'ALUMINIUM AL-Mn A RESISTANCE A LA CORROSION AMELIOREE

Publication

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Application

**EP 02700316 A 20020109**

Priority

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- FR 0100432 A 20010112

Abstract (en)

[origin: WO02055750A2] The invention concerns a rolled or extruded product, in particular a tube, made of an alloy composition (expressed in wt. %) comprising: Si < 0.30; Fe 0.20-0.50; Cu < 0.05; Mn 0.5-1.2; Mg < 0.05; Zn < 0.50; Cr 0.10-0.30; Ti < 0.05; Zr < 0.05; the balance consisting of aluminium and unavoidable impurities. The invention also concerns a method for making extruded tubes of said composition comprising casting a billet, optionally homogenizing it, extruding a tube, drawing said tube in one or several passes and continuous annealing at a temperature ranging between 350 and 500 DEG C with a temperature increase of less than 10 seconds. The inventive products are designed for pipes and heat exchangers for motor vehicles, and exhibit good corrosion resistance.

IPC 1-7

**C22C 21/00**; **C22F 1/04**

IPC 8 full level

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CPC (source: EP US)

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