

Title (en)
PROCESS FOR THE MANUFACTURE OF AN ALUMINUM TREAD SHEET

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES ALUMINIUMPROFILBLECHS

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE FEUILLE DE ROULEMENT EN ALUMINIUM

Publication
EP 3636366 A1 20200415 (EN)

Application
EP 18382712 A 20181009

Priority
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Abstract (en)
It is provided a process for the manufacture of an aluminum tread sheet comprising the steps of continuously casting the alloy in a continuous caster into an aluminum slab having a thickness of 14 to 20 mm and being at a temperature from 400 °C to 550 °C; hot rolling in a continuous process the obtained aluminum slab to form a tread sheet which has a thickness of 1.3 mm to 5.0 mm, wherein hot rolling is carried out in a hot rolling mill having at least two stands comprising at least one hot rolling stand and one pattern rolling stand, and wherein the pattern rolling stand is placed after the at least one hot rolling stand; and subjecting the obtained tread sheet to annealing; and wherein the process is carried out without performing any homogenizing, cold rolling, or annealing step before the pattern rolling step.

IPC 8 full level
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CPC (source: EP)
B22D 11/003 (2013.01); **B22D 11/0605** (2013.01); **C22C 21/00** (2013.01); **C22C 21/06** (2013.01); **C22F 1/04** (2013.01); **C22F 1/047** (2013.01); **B21B 1/463** (2013.01); **B21B 13/22** (2013.01); **B21B 2003/001** (2013.01); **B21H 8/005** (2013.01)

Citation (search report)
• [X] WO 2009082495 A1 20090702 - COMMW IND INC [US], et al
• [A] US 2015321232 A1 20151112 - STEWART PATRICIA [US], et al
• [A] US 2017157655 A1 20170608 - KASUN THOMAS J [US], et al

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WO2023151433A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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