

Title (en)

ALUMINUM ALLOY, ALUMINUM ALLOY WIRE, AND METHOD FOR MANUFACTURING ALUMINUM ALLOY WIRE

Title (de)

ALUMINIUMLEGIERUNG, ALUMINIUMLEGIERUNGSDRAHT UND VERFAHREN ZUR HERSTELLUNG EINES
ALUMINIUMLEGIERUNGSDRAHTS

Title (fr)

ALLIAGE D'ALUMINIUM, FIL EN ALLIAGE D'ALUMINIUM ET PROCÉDÉ DE FABRICATION D'UN FIL EN ALLIAGE D'ALUMINIUM

Publication

EP 4350020 A1 20240410 (EN)

Application

EP 22810942 A 20220315

Priority

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- JP 2022011698 W 20220315

Abstract (en)

An aluminum alloy of the present disclosure has a composition including silicon in an amount of 0.6 mass% to 1.5 mass%, magnesium in an amount of 0.5 mass% to 1.3 mass%, copper in an amount of 0.1 mass% to 1.2 mass%, and manganese in an amount of 0.2 mass% to 1.15 mass%, with the balance consisting of aluminum and inevitable impurities. An average of degrees of orientation of a 111 plane determined by X-ray diffraction of a whole area of a section in a state of having been subjected to solution treatment and aging treatment is 50% or more, and a variance of the degrees of orientation of the 111 plane is 45% or less.

IPC 8 full level

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CPC (source: EP KR)

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Designated contracting state (EPC)

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