

Title (en)

HIGH-STRENGTH CORROSION-RESISTANT ALUMINUM ALLOY AND METHOD OF MAKING THE SAME

Title (de)

HOCHFESTE KORROSIONSBESTÄNDIGE ALUMINIUMLEGIERUNGEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ALLIAGE D'ALUMINIUM RÉSISTANT À LA CORROSION, À RÉSISTANCE ÉLEVÉE, ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2019013744A1] Disclosed are high-strength aluminum alloys and methods of making and processing such alloys. The aluminum alloys described herein exhibit improved mechanical strength, deformability, and corrosion resistance properties. In addition, the aluminum alloys can be prepared from recycled materials. The aluminum alloy products prepared from the alloys described herein include precipitates to enhance strength, such as MgZn₂ / Mg(Zn,Cu)₂, Mg₂Si, and Al₄Mg₈Si₇Cu₂.

IPC 8 full level

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