

Title (en)
PRECIPITATION HARDENABLE ALUMINIUM ALLOY

Title (de)
AUSHÄRTBARE ALUMINIUMLEGIERUNG

Title (fr)
ALLIAGE D'ALUMINIUM DURCISSABLE

Publication
EP 3486343 B1 20190828 (DE)

Application
EP 18174637 A 20180528

Priority
EP 17202190 A 20171116

Abstract (en)
[origin: US11851736B2] A temperable aluminum alloy, an aluminum sheet or strip made of such an aluminum alloy, a molded part, and a method for producing such a molded part have been disclosed. In order to enable achievement of the required yield strengths, a temperable aluminum alloy is proposed, containing zinc (Zn), magnesium (Mg), silicon (Si), tin (Sn) and/or indium (In) and/or cadmium (Cd), and optionally copper (Cu), from silver (Ag), iron (Fe), manganese (Mn), titanium (Ti), and residual aluminum as well as inevitable production-related impurities, wherein the content of magnesium (Mg) and silicon (Si) fulfills the order relation $0.4\text{wt.}\% \text{Si} - 0.15 < \text{wt.}\% \text{Mg} < 0.7\text{wt.}\% \text{Si} - 0.2$.

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