

Title (en)
ALUMINUM ALLOY

Title (de)
ALUMINIUMLEGIERUNG

Title (fr)
ALLIAGE D'ALUMINIUM

Publication
EP 1871555 A2 20080102 (EN)

Application
EP 06739457 A 20060322

Priority

- US 2006010666 W 20060322
- US 8508605 A 20050322

Abstract (en)
[origin: US2005161128A1] All aluminum alloy is disclosed that includes 6.5 to 8.5 percent silicon, 0.6 to 1.0 percent iron, 0.3 to 0.5 percent manganese, 0.35 to 0.65 percent magnesium, 0.01 to 1.0 percent zinc, 0.11 to 0.2 percent titanium, 2.0 to 2.5 percent copper, and aluminum as the remainder with further one or more other elements that are 0.001 to 0.15 percent of the weight of the aluminum alloy. An aluminum alloy of the above composition is high in strength and suitable for use with SSM methods of casting, such as Rheocasting and Thixocasting.

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