

Title (en)
ALLOY FOR PRESSURE DIE CASTING

Title (de)
DRUCKGUSSLEGIERUNG

Title (fr)
ALLIAGE D'ALUMINIUM POUR MOULAGE SOUS PRESSION

Publication
EP 3235917 B1 20180815 (DE)

Application
EP 16165969 A 20160419

Priority
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Abstract (en)
[origin: CA3021397A1] The invention relates to a die casting alloy on an aluminum-silicon base with a composition consisting of: 8.5 to 11.5 wt. % of silicon; 0.1 to 0.5 wt.% of magnesium; 0.3 to 0.8 wt.% of manganese; 0.02 to 0.5 wt.% of iron; 0.005 to 0.5 wt.% of zinc; 0.02 to 0.3 wt.% of molybdenum; 0.1 to 0.5 wt.% of copper; 0.02 to 0.15 wt.% of titanium; 0.02 to 0.3 wt.% of zirconium, 5 to 250 ppm of phosphorus, 10 to 200 ppm of gallium and the remainder of aluminum and unavoidable impurities. The alloy can be produced with a recycling rate of 50 %.

IPC 8 full level
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Citation (opposition)
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KR 20187032871 A 20160502; MX 2018012786 A 20160502; US 201616094324 A 20160502