

Title (en)
ALUMINUM ALLOY HAVING IMPROVED OXIDATION RESISTANCE, CORROSION RESISTANCE, OR FATIGUE RESISTANCE, AND DIE-CAST MATERIAL AND EXTRUDED MATERIAL PRODUCED FROM THE ALUMINUM ALLOY

Title (de)
ALUMINIUMLEGIERUNG MIT VERBESSERTER OXIDATIONS-, KORROSIONS- UND ERMÜDUNGSBESTÄNDIGKEIT SOWIE AUS DER ALUMINIUMLEGIERUNG HERGESTELLTES DRUCKGUSSMATERIAL UND EXTRUDIERTES MATERIAL

Title (fr)
ALLIAGE D'ALUMINIUM AYANT UNE RÉSISTANCE À L'OXYDATION, UNE RÉSISTANCE À LA CORROSION, OU UNE RÉSISTANCE À L'USURE AMÉLIORÉE, MATÉRIAU MOULÉ SOUS PRESSION ET MATÉRIAU EXTRUDÉ OBTENU À PARTIR DUDIT ALLIAGE D'ALUMINIUM

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Application
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- KR 20110100340 A 20110930
- KR 20110100339 A 20110930
- KR 20110100338 A 20110930
- KR 20110100337 A 20110930
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- KR 20100102116 A 20101019
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Abstract (en)
[origin: EP2631311A2] Provided are an aluminum (Al) alloy prepared environment friendly and having excellent oxidation resistance properties, and a method of preparing the Al alloy. An oxidation-resistant Al alloy according to an embodiment of the present invention is casted by adding a magnesium (Mg) master alloy, in which a calcium (Ca)-based compound is distributed in an Mg matrix, into molten Al. An Al matrix includes the Ca-based compound. The Al alloy has superior oxidation resistance to a corresponding Al alloy not including the Ca-based compound.

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Citation (search report)

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- [A] JP 2007031788 A 20070208 - AISIN AW CO
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- See references of WO 2012053813A2

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