

Title (en)
ALUMINUM ALLOY DIE-CAST PRODUCT

Title (de)
DRUCKGUSSPRODUKT AUS ALUMINIUMLEGIERUNG

Title (fr)
PRODUIT EN ALLIAGE D'ALUMINIUM COULÉ SOUS PRESSION

Publication
EP 3196323 A1 20170726 (EN)

Application
EP 14904322 A 20141215

Priority
• JP 2014216640 A 20141023
• JP 2014006238 W 20141215

Abstract (en)
Provided are: an aluminum alloy for die casting, having castability and mechanical properties equivalent to those of ADC12 and corrosion resistance equivalent to that of ADC6; and an aluminum alloy die cast obtained through die-casting the alloy. Specifically, the present invention is directed to an aluminum alloy for die casting that contains: Cu by not more than 0.10 wt%; Si by 12.0 to 15.0 wt%; Mg by not more than 1.00 wt%; Fe by 0.05 to 1.00 wt%; Cr by 0.10 to 0.50 wt%; and a remaining portion thereof being Al and unavoidable impurities.

IPC 8 full level
C22C 21/02 (2006.01)

CPC (source: EP KR US)
B22D 17/00 (2013.01 - EP US); **B22D 21/007** (2013.01 - EP US); **C22C 21/02** (2013.01 - EP KR US); **C22C 21/04** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3196323 A1 20170726; **EP 3196323 A4 20170809**; **EP 3196323 B1 20190206**; CN 107075622 A 20170818; JP 5969713 B1 20160817; JP WO2016063320 A1 20170427; KR 101935243 B1 20190104; KR 20170063891 A 20170608; MX 2017004376 A 20180130; MY 179378 A 20201105; PL 3196323 T3 20190830; US 2017314101 A1 20171102; WO 2016063320 A1 20160428

DOCDB simple family (application)
EP 14904322 A 20141215; CN 201480082837 A 20141215; JP 2014006238 W 20141215; JP 2015558290 A 20141215; KR 20177011719 A 20141215; MX 2017004376 A 20141215; MY PI2017701407 A 20141215; PL 14904322 T 20141215; US 201415520650 A 20141215