

Title (en)

DIE-CAST ALUMINUM ALLOY, PREPARATION METHOD THEREFOR, AND STRUCTURAL MEMBER FOR COMMUNICATION PRODUCT

Title (de)

ALUMINIUM-DRUCKGUSLEGIERUNG, VERFAHREN ZU IHRER HERSTELLUNG UND STRUKTURELEMENT FÜR EIN KOMMUNIKATIONSPRODUKT

Title (fr)

ALLIAGE D'ALUMINIUM COULÉ SOUS PRESSION, SON PROCÉDÉ DE PRÉPARATION ET ÉLÉMENT STRUCTURAL POUR PRODUIT DE COMMUNICATION

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3954798A1] Disclosed are a die-cast aluminum alloy, a method for preparing the die-cast aluminum alloy, and a structural member for a communications product prepared by using the die-cast aluminum alloy. The die-cast aluminum alloy includes the following components in mass percentages: 0.1-7% of magnesium, 7-35% of zinc, 0.2-0.8% of manganese, 0.1-0.7% of iron, 0.07-0.2% of titanium and/or zirconium, with the inevitable impurities being ≤0.3%, and the balance being aluminum. The die-cast aluminum alloy features high strength, high toughness, and excellent fluidity, and is applicable to molding complex thin-walled products.

IPC 8 full level

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CPC (source: CN EP)

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