

Title (en)

MEMBER FOR SLIDE FASTENERS OR BUTTONS, WHICH IS FORMED FROM PLATED ALUMINUM OR ALUMINUM ALLOY

Title (de)

GLIED FÜR REISSVERSCHLÜSSE ODER KNÖPFE AUS EINEM PLATTIERTEN ALUMINIUM ODER EINER ALUMINIUMLEGIERUNG

Title (fr)

ÉLÉMENT POUR FERMETURES À GLISSIÈRE OU BOUTONS, QUI EST FORMÉ À PARTIR D'ALLIAGE D'ALUMINIUM OU D'ALUMINIUM PLAQUÉ

Publication

EP 3560370 A1 20191030 (EN)

Application

EP 16925404 A 20161226

Priority

JP 2016088769 W 20161226

Abstract (en)

Provided is a plated member for aluminum or aluminum alloy slide fasteners or buttons, which has both of crack resistance and glossiness. A member for slide fasteners or buttons, the member including: a base material (101) made of aluminum or an aluminum alloy; a zinc diffusion layer (102) having zinc diffused inside a surface of the base material; and a plurality of plating layers covering the zinc diffusion layer (102), the plating layers including a copper pyrophosphate plating layer (103) and a copper sulfate plating layer (104) in this order from inside.

IPC 8 full level

A44B 19/00 (2006.01); **A44B 1/04** (2006.01); **C25D 7/02** (2006.01)

CPC (source: EP KR)

A44B 1/02 (2013.01 - KR); **A44B 1/04** (2013.01 - EP KR); **A44B 19/00** (2013.01 - EP); **A44B 19/24** (2013.01 - KR); **A44B 19/42** (2013.01 - KR); **C25D 3/38** (2013.01 - KR); **C25D 5/10** (2013.01 - EP KR); **C25D 5/44** (2013.01 - EP KR); **C25D 5/605** (2020.08 - KR); **C25D 5/627** (2020.08 - KR); **C25D 7/00** (2013.01 - KR); **C25D 7/02** (2013.01 - EP KR); **C25D 3/22** (2013.01 - KR)

Cited by

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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 3560370 A1 20191030; **EP 3560370 A4 20201021**; CN 110072404 A 20190730; CN 118235922 A 20240625; JP 6736690 B2 20200805; JP WO2018122935 A1 20190624; KR 102178027 B1 20201112; KR 20190060812 A 20190603; WO 2018122935 A1 20180705

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EP 16925404 A 20161226; CN 201680091605 A 20161226; CN 202410258053 A 20161226; JP 2016088769 W 20161226; JP 2018558545 A 20161226; KR 20197012350 A 20161226