

Title (en)

UPPER WHEEL DEVICE WITH SELF-CLOSING RETAINER

Title (de)

OBERE RADVORRICHTUNG MIT SELBSTSCHLIESSENDEM HALTER

Title (fr)

DISPOSITIF À ROUE SUPÉRIEURE AVEC RETENUE À FERMETURE AUTOMATIQUE

Publication

EP 3056647 A1 20160817 (EN)

Application

EP 16155635 A 20160215

Priority

ES 201530186 A 20150216

Abstract (en)

An upper wheel device with a self-closing retainer characterised in that it comprises a metal support (1) that has at least one upper wheel (2) on the upper portion thereof that is securely joined to said support (1); and where a self-closing retainer element (2) joined to the support (1) via fastening elements (3), which pass through the retainer element (4) until they are fastened in holes (1 a) in the support (1), is placed on the support (1); and where, situated on said retainer (4), a casing (5) is placed with an inner shape that matches the retainer element (4), and the function of which is to fasten and ensure the fluid-tightness of the assembly.

IPC 8 full level

E05F 5/00 (2006.01); **E05F 1/16** (2006.01); **E05D 15/06** (2006.01)

CPC (source: EP ES)

E05F 1/16 (2013.01 - EP); **E05F 5/003** (2013.01 - EP); **E06B 5/01** (2013.01 - ES); **E05D 15/0691** (2013.01 - EP); **E05Y 2201/11** (2013.01 - EP); **E05Y 2201/218** (2013.01 - EP); **E05Y 2201/412** (2013.01 - EP); **E05Y 2201/688** (2013.01 - EP); **E05Y 2600/46** (2013.01 - EP); **E05Y 2800/24** (2013.01 - EP); **E05Y 2900/20** (2013.01 - EP)

Citation (search report)

- [X] CN 102536025 A 20120704 - GUANGDONG DINGGU JICHUANG HOUSEHOLD CO LTD
- [X] EP 2700778 A1 20140226 - FEIGL BERNHARD [AT]
- [A] WO 2014169771 A1 20141023 - XU JIANGDE [CN]

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 3056647 A1 20160817; ES 2542052 A1 20150729; ES 2542052 B2 20160128

DOCDB simple family (application)

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