

Title (en)
BUCKLE DEVICE

Title (de)
SCHNALLENVORRICHTUNG

Title (fr)
DISPOSITIF BOUCLE

Publication
EP 3017714 A4 20170125 (EN)

Application
EP 15768532 A 20150319

Priority
• KR 20140035273 A 20140326
• KR 2015002652 W 20150319

Abstract (en)
[origin: EP3017714A1] The present invention relates to a buckle device comprising: a strap part having gear teeth in which inclines are formed in one direction; and a buckle part engaged with the gear teeth of the strap part in stages so as to move or lock the strap part, wherein the buckle part comprises: a holder for guiding the movement of the strap part; a catcher coupled to the holder, and having protrusions and recesses engaged with the gear teeth of the strap part; and a lever coupled to the upper part of the catcher, wherein, with respect to the holder, the catcher, and the lever, the lever and the catcher are coupled to the holder by one coupling pin so as to rotate around an axis, and at the same time, only the lever rotates within a predetermined range of a rotational angle. Particularly, the buckle device is used for a helmet for a bicycle or a motorcycle and the like, ensures safety since a buckle is not separated from an adjusting band even when impact occurs from the outside, and has improved user convenience by providing a simple operation structure when the user separates the buckle from the adjusting band.

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A42B 3/08 (2006.01)

CPC (source: EP)
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Citation (search report)
• [X] EP 1269875 A2 20030102 - BAUER ITALIA SPA [IT]
• [X] DE 20002436 U1 20000713 - HSU CHEN HUA [TW]
• See references of WO 2015147476A1

Cited by
EP3238558A1; EP3925473A1; IT202000014779A1

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