

Title (en)  
SPLIT-TYPE COVER PLATE

Title (de)  
GETEILTE ABDECKPLATTE

Title (fr)  
PLAQUE DE COUVERTURE DE TYPE FENDU

Publication  
**EP 3816381 A4 20210804 (EN)**

Application  
**EP 19830652 A 20190628**

Priority  
• CN 201821026581 U 20180701  
• CN 2019093520 W 20190628

Abstract (en)  
[origin: EP3816381A1] The present invention relates to a splittable buckle plate for use in the mounting of a hinge (4) on a door leaf, and discloses a buckle plate (1) and a pressing plate (2), both of which are plate-shaped on the whole. A plate face of the buckle plate (1) is provided with a threaded hole (101); a plate face of the pressing plate (2) is provided with a through hole (201), and is provided with a step (202) on one side; and the position and the number of the threaded hole (101) in the buckle plate (1) correspond to those of the through hole (201) in the pressing plate (2). The plate face of the buckle plate (1) is provided with the threaded hole (101); the plate face of the pressing plate (2) is provided with the through hole (201), and is provided with a step at a side; and the threaded hole (101) and the through hole (201) are provided correspondingly when the buckle plate (1) and the pressing plate (2) are combined. The buckle plate (1) is first placed into a grooved hole of a profile. The plate faces of the buckle plate (1) and the pressing plate (2) are abutted against each other at an inner face of the step. A screw passes through the hinge (4) and the pressing plate (2) and is then tightened on the buckle plate (1); and the buckle plate (1) is raised upwards by tightly pressing the pressing plate (2) to fix the hinge (4) on the profile. The present invention has the following advantages: splittable combination is used, so that when the hinge is mounted to an aluminum-profile door, there is no need to first dispose the buckle plate in a mounting groove of an aluminum profile and then assemble a door leaf and a door frame; and the splittable buckle plate is convenient to manufacture, simple to mount and reasonable in structure.

IPC 8 full level  
**E05D 5/02** (2006.01)

CPC (source: EP)  
**E05D 5/0238** (2013.01); **E05Y 2600/502** (2013.01); **E05Y 2600/63** (2013.01); **E05Y 2600/632** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)  
• [X] WO 2016182852 A1 20161117 - AMESBURY GROUP INC [US]  
• [XA] WO 02084057 A1 20021024 - HAHN GMBH & CO KG [DE]  
• See references of WO 2020007237A1

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 3816381 A1 20210505; EP 3816381 A4 20210804**; CN 208816015 U 20190503; WO 2020007237 A1 20200109

DOCDB simple family (application)  
**EP 19830652 A 20190628**; CN 201821026581 U 20180701; CN 2019093520 W 20190628