

Title (en)

System comprising a component of an air conditioning assembly with an opening and a closing element

Title (de)

System umfassend eine Komponente einer klimatechnischen Anlage mit einer Öffnung und einem Verschlusselement

Title (fr)

Système comprenant un composant d'une installation de climatisation dotée d'une ouverture et d'un élément de fermeture

Publication

**EP 2653798 B1 20160803 (DE)**

Application

**EP 13162862 A 20130409**

Priority

DE 202012101388 U 20120416

Abstract (en)

[origin: EP2653798A1] The system comprises a component (1) having an access opening provided in a housing wall, and a closure element (3) for closing the opening, where the closure element externally and completely covers in its closing position of the opening, and an insertion region partially projecting into the opening. The insertion region and/or the opening is formed in a hexagonal manner, and has the same number of corners. The insertion region is dimensioned in relation to the opening so that the insertion region is insertable through the opening. The system comprises a component (1) having an access opening provided in a housing wall, and a closure element (3) for closing the opening, where the closure element externally and completely covers in its closing position of the opening, and an insertion region partially projecting into the opening. The insertion region and/or the opening is formed in a hexagonal manner, and has the same number of corners. The insertion region is dimensioned in relation to the opening so that the insertion region is insertable through the opening. Partial regions of edge regions by the opening and the insertion region are constructed in the manner of a bayonet closure as tongue-/groove joint in all corners so that the closure element is displaced by a rotation of a mounting position in its closing position. Either the groove is arranged in the edge region of the insertion region, and the spring is formed by the edge region of the opening, or the spring is formed through the edge region of the insertion region and the groove is arranged in the edge region of the opening. The closing position of the each spring is accommodated in its corresponding groove. The groove is formed on the one hand by a surface of the closure element, which contacts in the closing position with an outer side of the component, and is formed on the other hand by a lateral section projecting with respect to the insertion region. A distance is reduced between the surface of the closure element and the section in the closing position. The closure element has an outside operating handle (12), and is made of metal. The corner of the insertion regions and/or the opening is formed in a round-shaped manner. The closure element in an area co-operating with the edge of the opening is completely made of plastic.

IPC 8 full level

**F24F 13/20** (2006.01); **F24F 13/00** (2006.01); **F24F 13/02** (2006.01)

CPC (source: EP)

**F24F 13/00** (2013.01); **F24F 13/029** (2013.01); **F24F 13/20** (2013.01)

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

DOCDB simple family (publication)

**DE 202012101388 U1 20120621**; DK 2653798 T3 20161128; EP 2653798 A1 20131023; EP 2653798 B1 20160803; ES 2600645 T3 20170210; PL 2653798 T3 20170228

DOCDB simple family (application)

**DE 202012101388 U 20120416**; DK 13162862 T 20130409; EP 13162862 A 20130409; ES 13162862 T 20130409; PL 13162862 T 20130409