

Title (en)  
Electronic implement replacement structure

Title (de)  
Ersatzstruktur für elektronische Einrichtung

Title (fr)  
Structure de remplacement d'instrument électronique

Publication  
**EP 3009729 B1 20161019 (EN)**

Application  
**EP 14182206 A 20140826**

Priority  
EP 14182206 A 20140826

Abstract (en)  
[origin: EP3009729A1] An electronic implement replacement structure includes a housing body (102) and an electronic module (300). The housing body (102) has a base (110) and a connecting ring (120) connected to the base (110). The connecting ring (120) includes press portions (124) and notches (122) spaced apart from one another and respectively disposed between each two adjacent press portion (124). A guiding groove (126) is formed on an outer surface of each of the press portions (124). The electronic module (300) is disposed on the base (110) and corresponding to the connecting ring (120). The electronic module (300) includes an electronic unit (310) and a rotatable ring (330) enclosing the electronic unit (310). An inner wall of the rotatable ring (330) has a sliding block (332) correspondingly and rotatably engaged with the guiding groove (126). Therefore, assembling and disassembling can be achieved without any tools.

IPC 8 full level  
**F21K 99/00** (2016.01); **F21V 17/14** (2006.01); **F21V 23/00** (2015.01); **F21W 131/103** (2006.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)  
**F21K 9/20** (2016.07 - EP US); **F21V 17/14** (2013.01 - EP US); **F21V 23/00** (2013.01 - EP); **F21W 2131/103** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

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)  
**EP 3009729 A1 20160420; EP 3009729 B1 20161019; PL 3009729 T3 20170428**

DOCDB simple family (application)  
**EP 14182206 A 20140826; PL 14182206 T 20140826**