

Title (en)  
SUPPORTING FRAME FOR HOLDING MODULAR CONTACT INSERTS

Title (de)  
HALTERAHMEN ZUM AUFNEHMEN VON MODULAREN KONTAKTEINSÄTZEN

Title (fr)  
CADRE DE SUPPORT DESTINE A RECEVOIR DES INSERTS DE CONTACT MODULAIRES

Publication  
**EP 3067993 B1 20190130 (DE)**

Application  
**EP 16159755 A 20160311**

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Abstract (en)  
[origin: CN105977693A] The invention relates to a supporting frame for holding modular contact inserts; the supporting frame comprises an opening; at least one contact insert can insert the opening along the insert direction; the supporting frame comprises a frame wall adjacent to the opening in a section mode; the frame wall is provided with an edge and at least one groove formed in the edge; when the insert inserts the opening, a protrusion element of the contact insert can be pushed into the groove; in addition, a lock element is arranged on the side wall, and has an arch segment in the lock position; the arch segment is adjacent to at least one groove in a direction opposite to the insert direction, thus keeping the protrusion element of the contact insert in the groove in a direction opposite to the insert direction; the arch segment can move to a release position from the lock position along the direction transverse to the insert direction, thus releasing the protrusion element, and removing the contact insert from the supporting frame.

IPC 8 full level  
**H01R 13/518** (2006.01); **H01R 13/627** (2006.01)

CPC (source: CN EP)  
**H01R 13/426** (2013.01 - CN); **H01R 13/436** (2013.01 - CN); **H01R 13/518** (2013.01 - EP); **H01R 13/506** (2013.01 - EP);  
**H01R 13/508** (2013.01 - EP)

Cited by  
DE102017125859A1; DE102017124632A1; EP3863124A1; WO2019080963A1; CN109638513A; DE102019104559A1; CN108461971A; DE102018110867A1; DE102018110867B4; DE102016123229A1; DE202016008404U1; EP3655303A4; RU2739842C1; WO2019017826A1; WO2018206048A1; WO2020164665A1; EP3480898A1; EP4046242A4; DE102022107244A1; WO2023186209A1; WO2021058058A1; DE102018101790A1; US10461463B2; WO2021185410A1; US11485391B2; WO2018162216A1; DE102021117400A1; WO2023280345A1; DE102017003198A1; WO2018184627A1; DE102017003198B4; US10665981B2; WO2021072686A1; US11132320B2; EP3930107A1; EP3863124B1; US11152738B2; DE102021126400A1; WO2023061530A1

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