

Title (en)  
ELECTRIC CONTACTING DEVICE

Title (de)  
VORRICHTUNG ZUR ELEKTRISCHEN KONTAKTIERUNG

Title (fr)  
DISPOSITIF DE MISE EN CONTACT ÉLECTRIQUE

Publication  
**EP 3698438 A1 20200826 (DE)**

Application  
**EP 18795928 A 20181016**

Priority  
• DE 102017124594 A 20171020  
• DE 2018100853 W 20181016

Abstract (en)  
[origin: WO2019076406A1] In the prior art, there is the disadvantage that automatic population methods for printed circuit boards are worthwhile only for large numbers. On the other hand, individual solutions and small series are expensive and complicated and are currently often implemented in manual work. The aim of the invention is to specify a device which facilitates the population of a printed circuit board economically, even for small series. This aim is achieved by a device which has a contact carrier (2) having contact elements (23, 23'). Said device can firstly be installed on printed circuit boards (4) in high numbers in an automated manner and, secondly, permits the connection of electric components (1) and/or electric cables (5) with only little manual effort.

IPC 8 full level  
**H01R 12/70** (2011.01); **H01R 12/51** (2011.01); **H01R 12/55** (2011.01); **H01R 12/71** (2011.01); **H01R 12/75** (2011.01); **H01R 13/11** (2006.01); **H01R 13/35** (2006.01)

CPC (source: EP US)  
**H01R 4/2429** (2013.01 - US); **H01R 12/515** (2013.01 - EP); **H01R 12/55** (2013.01 - EP); **H01R 12/57** (2013.01 - US); **H01R 12/585** (2013.01 - US); **H01R 12/7076** (2013.01 - US); **H01R 12/75** (2013.01 - US); **H01R 13/112** (2013.01 - EP); **H01R 13/35** (2013.01 - EP); **H01R 13/41** (2013.01 - US); **H01R 43/0256** (2013.01 - US); **H01R 43/205** (2013.01 - US); **H01R 43/26** (2013.01 - US)

Citation (search report)  
See references of WO 2019076406A1

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)  
**WO 2019076406 A1 20190425**; CN 111226353 A 20200602; DE 102017124594 A1 20190425; EP 3698438 A1 20200826; EP 3698438 B1 20210818; US 10985481 B2 20210420; US 2020335891 A1 20201022

DOCDB simple family (application)  
**DE 2018100853 W 20181016**; CN 201880067769 A 20181016; DE 102017124594 A 20171020; EP 18795928 A 20181016; US 201816757624 A 20181016