

Title (en)
CONTACT ELEMENT

Title (de)
KONTAKTELEMENT

Title (fr)
ÉLÉMENT DE CONTACT

Publication
EP 4000139 A1 20220525 (DE)

Application
EP 20733771 A 20200618

Priority
• DE 102019210695 A 20190719
• EP 2020066888 W 20200618

Abstract (en)
[origin: WO2021013442A1] The invention relates to a contact element (1) for insertion of a mating contact element (62) along an insertion direction (E). The contact element (1) has an insertion opening (2) for insertion of the mating contact element (62) and at least one contact blade (3) for electrically contacting the mating contact element (62), and a clamping sleeve (4) which can be displaced along the insertion direction (E), relative to the at least one contact blade (3), between a first position (P1) and a second position (P2). The clamping sleeve (4) and the at least one contact blade (3) are operatively related to one another such that on displacement of the clamping sleeve (4) from the first position (P1) to the second position (P2), the at least one contact blade (3) is displaced in a radial direction (R) perpendicular to the insertion direction (E), more particularly radially inwards. The clamping sleeve (4) has a collision element (5), which, in a projection along the insertion direction (E) through the insertion opening (2), at least partially covers the insertion opening (2) such that when the mating contact element (62) is inserted into the contact element (1), the mating contact element (62) hits the collision element (5) and when the mating contact element (62) is inserted further, the clamping sleeve (4) is displaced by means of the collision element (5) in the direction of the second position (P2).

IPC 8 full level
H01R 13/193 (2006.01); **H01R 13/11** (2006.01)

CPC (source: EP US)
H01R 4/5041 (2013.01 - US); **H01R 13/193** (2013.01 - EP US); **H01R 4/5083** (2013.01 - EP); **H01R 13/111** (2013.01 - EP)

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)
DE 102019210695 B3 20201008; EP 4000139 A1 20220525; JP 2022541300 A 20220922; JP 7326580 B2 20230815; US 2022271459 A1 20220825; WO 2021013442 A1 20210128

DOCDB simple family (application)
DE 102019210695 A 20190719; EP 2020066888 W 20200618; EP 20733771 A 20200618; JP 2022503580 A 20200618; US 202017625396 A 20200618