

Title (en)
CONTACT ELEMENT

Title (de)
KONTAKTELEMENT

Title (fr)
ÉLÉMENT DE CONTACT

Publication
EP 2976810 B1 20220504 (DE)

Application
EP 14708055 A 20140306

Priority
• EP 13159718 A 20130318
• EP 2014054344 W 20140306

Abstract (en)
[origin: WO2014146905A1] A contact element (1) comprises at least two strips (2, 3) which extend parallel to one another and in a longitudinal axis (L), and a row of webs (14), which are arranged between the strips (2, 3) and are contiguous with the strips (2, 3), wherein the webs (14) are connected resiliently to one of the strips (2, 3) via a first torsion section (4) and to another of the strips (2, 3) via a second torsion section (5) and are inclined with respect to the strips (2, 3) in the deformed state, with the result that a first contact section (6) extends above the strip and a second contact section (7) extends below the strip (2, 3), wherein the webs (14) each have a front web rim (8) and a rear web rim (9), which front web rim (8) has a bulge (10), and which rear web rim (9) has an indentation (11), which fits or is complementary to the bulge (10) of a directly adjacent web rim, wherein the bulge (10) provides said front contact section (6), and wherein the webs (14), to the side of the indentation (11), have two rear web sections (13), which provide the second contact section (7). Furthermore, the front web rim (8) and the rear web rim (9) extend from the first torsion section (4) as far as to the second torsion section (5), and the front web rim (8) and the rear web rim (9) of two directly adjacent webs (14) touch one another in the undeformed state over their entire length, in particular at least approximately.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 13/187** (2006.01)

CPC (source: EP US)
H01R 4/4881 (2013.01 - EP US); **H01R 13/03** (2013.01 - US); **H01R 13/187** (2013.01 - EP US); **H01R 13/622** (2013.01 - US)

Citation (examination)
• US 2010243112 A1 20100930 - WRIGHT JAMES A [US], et al
• US 2810641 A 19571022 - ROBERTS III JOHN S
• US 5028282 A 19910702 - KUBOZONO KENJI [JP], et al
• WO 2012133651 A1 20121004 - UNIV TOHOKU [JP], et al

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)
WO 2014146905 A1 20140925; CN 105009372 A 20151028; CN 105009372 B 20170609; EP 2976810 A1 20160127; EP 2976810 B1 20220504; JP 2016512918 A 20160509; KR 20150131000 A 20151124; MX 2015013315 A 20160125; MX 355111 B 20180405; US 10135180 B2 20181120; US 2016226181 A1 20160804

DOCDB simple family (application)
EP 2014054344 W 20140306; CN 201480013251 A 20140306; EP 14708055 A 20140306; JP 2016503596 A 20140306; KR 20157023552 A 20140306; MX 2015013315 A 20140306; US 201414777921 A 20140306