

Title (en)
METAL ELECTRICAL CONNECTOR FOR FLEXIBLE ELECTRICALLY CONDUCTIVE STRIP AND RELATED CONDUCTIVE STRIP CONNECTOR ASSEMBLY

Title (de)
ELEKTRISCHER VERBINDER AUS METALL FÜR FLEXIBLE ELEKTRISCH LEITENDE STREIFEN UND ZUGEHÖRIGE LEITENDE STREIFENVERBINDERANORDNUNG

Title (fr)
CONNECTEUR ÉLECTRIQUE MÉTALLIQUE POUR BANDE CONDUCTRICE ÉLECTRIQUE SOUPLE ET ENSEMBLE BANDE CONDUCTRICE CONNECTEUR ASSOCIÉ

Publication
EP 4000136 A1 20220525 (FR)

Application
EP 20750309 A 20200706

Priority
• FR 1908110 A 20190718
• FR 2020051186 W 20200706

Abstract (en)
[origin: WO2021009432A1] Metal electrical connector (1) for flexible electrically conductive strip (2) extending along a longitudinal axis (A), said conductive strip (2) comprising: - a flexible support layer (3) comprising a first face and a second face opposite the first face, and - a conductive path (4) arranged on the first face of the flexible support layer (3), said electrical connector (1) comprising: - a base (10) having a generally parallelepiped shape and configured to cover a portion of the conductive strip (2), said base (10) comprising at least one leading edge (101) intended to face the conductive strip (2) perpendicular to the longitudinal axis (A), - connecting teeth (12a, 12b) configured to pass through the conductive path (4) and the flexible support layer (3), - a connecting member (11) projecting from one of the edges of the base (10) other than the leading edge (101), the leading edge (101) of the base (10) having an inwardly curved profile over the width of the base (10).

IPC 8 full level
H01R 4/2407 (2018.01); **H01R 4/2416** (2018.01); **H01R 4/26** (2006.01); **H01R 43/16** (2006.01)

CPC (source: CN EP US)
H01R 4/2407 (2017.12 - CN EP US); **H01R 4/26** (2013.01 - EP US); **H01R 4/646** (2013.01 - US); **H01R 12/61** (2013.01 - CN); **H01R 12/67** (2013.01 - CN); **H01R 4/2416** (2013.01 - EP); **H01R 43/16** (2013.01 - EP)

Citation (search report)
See references of WO 2021009432A1

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)
FR 3099005 A1 20210122; **FR 3099005 B1 20230728**; CN 114175402 A 20220311; EP 4000136 A1 20220525; US 2022263256 A1 20220818; WO 2021009432 A1 20210121

DOCDB simple family (application)
FR 1908110 A 20190718; CN 202080051405 A 20200706; EP 20750309 A 20200706; FR 2020051186 W 20200706; US 202017627943 A 20200706