

Title (en)  
CONNECTING DEVICE FOR A POLE OF THE SUPPORT STRUCTURE FOR ROAD EQUIPMENT, AND SUPPORT STRUCTURE FOR ROAD EQUIPMENT INCLUDING SAID CONNECTING DEVICE

Title (de)  
VERBUNDUNGSVORRICHTUNG FÜR EINEN PFOSTEN EINER TRÄGERSTRUKTUR FÜR STRASSENANRÜSTUNGEN UND TRÄGERSTRUKTUR FÜR STRASSENANRÜSTUNGEN MIT DIESER VERBUNDUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE CONNEXION POUR POTEAU DE STRUCTURE DE SUPPORT POUR ÉQUIPEMENT ROUTIER ET STRUCTURE DE SUPPORT POUR ÉQUIPEMENT ROUTIER COMPRENANT LEDIT DISPOSITIF DE CONNEXION

Publication  
**EP 4083323 A1 20221102 (EN)**

Application  
**EP 22382282 A 20220328**

Priority  
ES 202130384 A 20210430

Abstract (en)  
The invention relates to a connecting device for a pole of the support structure for road equipment, including a hollow drum, having a circular, elliptical, or polygonal section, comprising a first end for anchoring to the foundation, a second end for fixing to a lower end of the pole, and a central part with a wall portion configured for deforming in a controlled manner when an impact force acts on the pole, such that the lower end of the pole is displaced upwards and twisted in the direction of the impact force. A support structure for road equipment including the connecting device is also an object of the invention.

IPC 8 full level  
**E01F 9/635** (2016.01); **E01F 9/631** (2016.01); **E01F 9/685** (2016.01)

CPC (source: EP ES US)  
**E01F 9/631** (2016.02 - EP US); **E01F 9/685** (2016.02 - EP US); **E04H 12/2215** (2013.01 - ES); **E04H 12/223** (2013.01 - ES); **E04H 12/2269** (2013.01 - US)

Citation (applicant)

- EP 3143210 A1 20170322 - SAFETY PRODUCT [BE]
- WO 2008151862 A1 20081218 - SAFETY PRODUCT [BE]
- WO 2006093415 A1 20060908 - EUROMAST AS [NO], et al

Citation (search report)

- [X] EP 0156158 A1 19851002 - HOECKLE EBERHARD
- [X] SE 0901068 A1 20110211 - ODEHAAG ARNE [SE]
- [A] US 5060437 A 19911029 - PARSONS JAMES H [US], 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

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4083323 A1 20221102; EP 4083323 B1 20240424; EP 4083323 C0 20240424**; CL 2023003197 A1 20240322; CO 2023014724 A2 20231120; CR 20230505 A 20240214; ES 2927157 A1 20221102; ES 2927157 B2 20230307; MX 2023012906 A 20231108; PL 4083323 T3 20240902; US 2024218619 A1 20240704; WO 2022229481 A1 20221103

DOCDB simple family (application)  
**EP 22382282 A 20220328**; CL 2023003197 A 20231026; CO 2023014724 A 20231030; CR 20230505 A 20220328; ES 202130384 A 20210430; ES 2022070174 W 20220328; MX 2023012906 A 20220328; PL 22382282 T 20220328; US 202218288595 A 20220328