

Title (en)

FIRE PROTECTION DEVICE OF A STRUCTURAL CABLE

Title (de)

BRANDSCHUTZVORRICHTUNG FÜR EIN STRUKTURKABEL

Title (fr)

DISPOSITIF DE PROTECTION ANTI-FEU D'UN CABLE DE STRUCTURE

Publication

EP 3336255 A1 20180620 (FR)

Application

EP 16306729 A 20161219

Priority

EP 16306729 A 20161219

Abstract (en)

[origin: CA2989066A1] A fire protection device for a structural cable is proposed including taught metal reinforcements (32) and having a first stretch (41), a second stretch (42) and a connection zone (40) of a collar (30) located between the first and second stretches. The fire protection device comprises a protective mattress (34) surrounding the structural cable (16) in the first and second stretches (41, 42) and interrupted in the connection zone (40), and a thermally insulating ring (36) more rigid than the protective mattress (34), arranged between the reinforcements (32) and the collar (30) in the connection zone (40) and cooperating with the protective mattress in order to provide the reinforcements with a continuous thermal protection along the first stretch (41), of the connection zone (40) and of the second stretch (42).

Abstract (fr)

Il est proposé un dispositif de protection anti-feu d'un câble de structure incluant des armatures métalliques tendues (32) et ayant un premier tronçon (41), un deuxième tronçon (42) et une zone (40) de connexion d'un collier (30) située entre les premier et deuxième tronçons. Le dispositif de protection anti-feu comprend un matelas protecteur (34) enveloppant le câble de structure (16) dans les premier et deuxième tronçons (41, 42) et interrompu dans la zone de connexion (40), et un anneau thermiquement isolant (36) plus rigide que le matelas protecteur (34), disposé entre les armatures (32) et le collier (30) dans la zone de connexion (40) et coopérant avec le matelas protecteur pour procurer aux armatures une protection thermique continue le long du premier tronçon (41), de la zone de connexion (40) et du deuxième tronçon (42).

IPC 8 full level

E01D 11/04 (2006.01); **E01D 19/16** (2006.01)

CPC (source: EP KR RU US)

D07B 1/06 (2013.01 - EP US); **D07B 5/005** (2013.01 - US); **E01D 11/00** (2013.01 - KR); **E01D 11/04** (2013.01 - EP); **E01D 19/16** (2013.01 - EP KR RU US); **E04B 1/94** (2013.01 - RU); **E04B 1/944** (2013.01 - US); **D07B 5/002** (2013.01 - EP); **D07B 2201/2088** (2013.01 - EP US); **D07B 2401/203** (2013.01 - EP US); **D07B 2401/2035** (2013.01 - EP US); **D07B 2501/203** (2013.01 - EP US); **E01D 11/04** (2013.01 - US)

Citation (applicant)

- WO 2007093703 A2 20070823 - EIFFAGE TP [FR], et al
- EP 0343054 A1 19891123 - FREYSSINET INT STUP [FR]
- WO 2015059413 A1 20150430 - SOLETANCHE FREYSSINET [FR]

Citation (search report)

- [AD] WO 2007093703 A2 20070823 - EIFFAGE TP [FR], et al
- [A] WO 2012052796 A1 20120426 - SOLETANCHE FREYSSINET [FR], et al
- [A] US 2008121151 A1 20080529 - HALLISSY GERALD [US], et al
- [A] JP 2011064010 A 20110331 - GIKEN KANRI KK, et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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EP 16306729 A 20161219; AU 2017276351 A 20171215; CA 2989066 A 20171213; DK 16306729 T 20161219; KR 20170174383 A 20171218; MX 2017016771 A 20171219; PL 16306729 T 20161219; RU 2017144197 A 20171218; US 201715837284 A 20171211