

Title (en)  
PROTECTIVE SHEATH FOR CABLES

Title (de)  
SCHÜTZENDE HÜLLE FÜR KABEL

Title (fr)  
GAINE PROTECTRICE POUR CÂBLES

Publication  
**EP 3410444 A1 20181205 (EN)**

Application  
**EP 18382260 A 20180418**

Priority  
ES 201730623 U 20170529

Abstract (en)  
A protective sheath for cables, particularly industrial cables of great dimensions and weight used in port and similar installations that is structured in an inner layer (1) that keeps the cables arranged together inside it and constitutes for them the first insulation; an inner sheath (2) that is of fireproof material and is attached to the inner layer (1) both forming a primary insulation. An armour (3) made of light and resistant material, that envelops the inner sheath and inner layer, resists high temperatures and provides it with a high degree of protection against fire and great rigidity to the assembled unit; an outer sheath (4) that constitutes a covering, also of fireproof material; so that in the joint performance of the four layers and sheaths the sheath is provided protection against fire for at least 20 minutes.

IPC 8 full level  
**H01B 7/00** (2006.01); **A61N 1/04** (2006.01)

CPC (source: EP)  
**H01B 7/295** (2013.01); **H01B 7/045** (2013.01); **H01B 7/1875** (2013.01)

Citation (applicant)  
• EP 0373669 A1 19900620 - SUMITOMO ELECTRIC INDUSTRIES [JP]  
• EP 1045401 A1 20001018 - CIT ALCATEL [FR]

Citation (search report)  
• [X] WO 2004044927 A1 20040527 - DRAKA UK LTD [GB], et al  
• [A] WO 2008142385 A1 20081127 - DRAKA U K LTD [GB], et al  
• [A] EP 0362929 A1 19900411 - PHILIPS PATENTVERWALTUNG [DE], et al  
• [A] WO 9320564 A1 19931014 - NORSK KABEL ABB [NO], 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

DOCDB simple family (publication)  
**EP 3410444 A1 20181205**; ES 1184958 U 20170609; ES 1184958 Y 20170830

DOCDB simple family (application)  
**EP 18382260 A 20180418**; ES 201730623 U 20170529