

Title (en)  
INTEGRATED OUTDOOR TERMINATION FOR A HIGH VOLTAGE CABLE

Title (de)  
INTEGRIERTER AUSSENABSCHLUSS FÜR HOCHSPANNUNGSKABEL

Title (fr)  
EXTREMITÉ EXTERIEURE INTEGREE POUR CABLE HAUTE TENSION

Publication  
**EP 2016595 A4 20110803 (EN)**

Application  
**EP 06759639 A 20060511**

Priority  
US 2006018367 W 20060511

Abstract (en)  
[origin: WO2007133202A1] An integrated outdoor terminal is disclosed that reduces the effects of environmental and electrical stresses by integrating a first portion, second portion and plurality of sheds into a one-piece insulation body. The first portion includes an integrated first connector for connecting the outdoor terminal to a high voltage cable. The second portion functions as a stress cone and connects with a second terminal for connecting with ground. The first portion has a generally cylindrical shape and the stress cone has a generally conical shape. The first portion transitions into the second portion without any abrupt changes in cross-sectional area, thus avoiding an increase in electric fields. The integrated outdoor termination may be prefabricated using a material such as silicone. The sheds extend approximately perpendicular to and may be uniformly distributed along the longitudinal axis of the insulation body. By uniformly distributing the sheds, the risk of flashover is avoided.

IPC 8 full level  
**H02G 15/064** (2006.01)

CPC (source: EP)  
**H02G 15/064** (2013.01)

Citation (search report)

- [X] EP 1209701 A2 20020529 - FURUKAWA ELECTRIC CO LTD [JP]
- [A] US 5466891 A 19951114 - FREEMAN WILLIE B [US], et al
- [A] JP H11312426 A 19991109 - NGK INSULATORS LTD
- [A] JP H09251816 A 19970922 - NGK INSULATORS LTD
- See references of WO 2007133202A1

Designated contracting state (EPC)  
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