

Title (en)

CABLE SYSTEM FOR USE IN HAZARDOUS ENVIRONMENTS

Title (de)

KABELSYSTEM UNTER GEFÄHRLICHEN UMWELTEINFLÜSSEN

Title (fr)

RESEAU DE CABLE UTILISABLE DANS UN ENVIRONNEMENT DANGEREUX

Publication

**EP 1147589 A1 20011024 (EN)**

Application

**EP 99962363 A 19991220**

Priority

- GB 9904313 W 19991220
- GB 9828168 A 19981222

Abstract (en)

[origin: WO0038291A1] A method of forming a seal between a tubular cable outlet projecting from a joint enclosure (1) and a cable (21) passing through the cable outlet into the enclosure (1) in which a heat-recoverable sleeve (11) is shrunk around the cable (21) and the cable outlet (7, 8, 9); an electrically conductive, guard sleeve (13) is placed around the heat-recoverable sleeve (11) so that it substantially surrounds it and extends beyond each of its ends. The cable (21) sealed to the joint enclosure (1) can be used within a zone 1 hazardous environment, for example in a sewer. The guard sleeve (13) is preferably of stainless steel, so as to resist attack by rodents as well as enabling the joint enclosure (1) to meet zone-1 explosion-resistance requirements when the cable includes power supply conductors, for instance for powering electronic communication equipment within the enclosure (1).

IPC 1-7

**H02G 15/076**; G02B 6/44

IPC 8 full level

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