

Title (en)  
**CABLE**

Publication  
**EP 0209826 A3 19890322 (DE)**

Application  
**EP 86109643 A 19860714**

Priority  
• DE 3526839 A 19850726  
• DE 3620595 A 19860619

Abstract (en)  
[origin: US4751614A] In order to protect a cable, which can be laid in the soil and the conductors of which are electrically conductively connected with a plurality of electrical circuit units, which are arranged distributed at spacings along the cable in the interior of the cable core (2), which is surrounded by a sheath, which comprises a layer of high electrical conductivity and an outer layer for protection against chemical influences, reliably against electrical and magnetic disturbances coming from outside, the sheath additionally displays an inner layer of a material of high magnetic permeability. Beyond that, the outer layer can possess an electrical conductivity, the value of which lies between the conductivity values of the surrounding soil and the middle layer. In order to be able to produce such a cable as simply as possible, the circuit units are first electrically conductively connected with the conductors and then embedded together with these in the inner protective layer of the cable, for example by extruding-in.

IPC 1-7  
**H01B 7/08**; **H01B 11/10**; **H01B 11/16**

IPC 8 full level  
**H01B 7/08** (2006.01); **H01B 11/10** (2006.01); **H01B 11/16** (2006.01)

CPC (source: EP US)  
**H01B 7/08** (2013.01 - EP US); **H01B 11/1016** (2013.01 - EP US); **H01B 11/16** (2013.01 - EP US)

Citation (search report)  
• [A] DE 3305246 C1 19840510 - REINSHAGEN KABELWERK GMBH  
• [A] US 3963854 A 19760615 - FOWLER ELIOT PATRICK  
• [A] DE 1540232 A1 19700115 - NORTHROP CORP

Cited by  
EP0367066A3; EP0597324A1; US5374778A; US6320133B1; WO9817085A1

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