

Title (en)  
SHAPED ARTICLES OF CROSSLINKED POLYMERS

Publication  
**EP 0222507 B1 19891213 (EN)**

Application  
**EP 86307817 A 19861009**

Priority  
US 78680685 A 19851011

Abstract (en)  
[origin: EP0222507A1] Electrical conductors which are insulated by an inner polymeric layer having little or no cross-linking and high elongation, and an outer polymeric layer having a relatively high level of cross-linking and low elongation. Preferably each of the components comprises a crystalline fluorocarbon polymer, especially an ethylene/tetrafluoroethylene copolymer. Such articles can be prepared by (1) melt-extruding a first polymeric composition which contains little or no cross-linking agent, and a second polymeric composition which contains a greater amount of cross-linking agent, (2) maintaining the two extrudates under conditions such that cross-linking agent migrates from the second to the first composition, and (3) cross-linking both compositions, preferably by radiation.

IPC 1-7  
**H01B 3/44**; **H01B 7/02**

IPC 8 full level  
**H01B 13/14** (2006.01); **H01B 3/44** (2006.01); **H01B 7/02** (2006.01)

CPC (source: EP KR)  
**H01B 3/443** (2013.01 - EP); **H01B 7/00** (2013.01 - KR)

Cited by  
AU606731B2; US7915532B2; WO0118824A1; WO8900760A1; WO2008151322A1

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