

Title (en)  
Production of electrical insulation and insulated products

Title (de)  
Herstellung einer elektrischen Isolierung und isolierte Produkte

Title (fr)  
Production d'une isolation électrique et produits isolés

Publication  
**EP 2372725 A1 20111005 (EN)**

Application  
**EP 10157948 A 20100326**

Priority  
EP 10157948 A 20100326

Abstract (en)  
This invention relates to a method (100) for manufacturing an electrical insulator for medium or high voltage equipment. The method (100) comprises the steps of forcing all liquid components of an insulating material of the electric insulator through a static mixture (101); adding at least one filler to the components (102); forcing the components with the at least one filler through a tube comprising a fast-turning screw mixing device mixing the components with the at least one filler to a final mixture of the insulating material (103); leading the final mixture to a mould, for example of a hot press, or a mould for vacuum casting, the mould being located in a vacuum chamber the inlet of the vacuum chamber connected to an outlet of the mixing device that is fluidly connected to the mould (104a, 104b); forming an electrical insulator by at least partly curing the final mixture (105); and moulding the electrical insulator (106). The curing may be part of the moulding.

IPC 8 full level  
**H01B 19/00** (2006.01); **C08G 59/22** (2006.01); **C08G 59/42** (2006.01); **H01B 3/40** (2006.01)

CPC (source: EP KR)  
**H01B 3/40** (2013.01 - EP); **H01B 17/56** (2013.01 - KR); **H01B 19/00** (2013.01 - KR)

Citation (applicant)  
FULLER W.B.; THOMPSON S.E., THE LAWS OF PROPORTIONING CONCRETE, TRANSACTIONS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, 1907, pages 67 - 143

Citation (search report)  
• [I] WO 2010031445 A1 20100325 - ABB RESEARCH LTD [CH], et al  
• [A] WO 0247092 A1 20020613 - PIRELLI CAVI E SISTEMI SPA [IT], et al

Cited by  
CN109256245A; JP2022041198A

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