

Title (en)  
ELECTRICAL INSULATION MATERIAL COMPRISING A MIXTURE OF MICROMETRIC INORGANIC FILLERS AND MANUFACTURING PROCESS

Title (de)  
MATERIAL ZUR ELEKTRISCHEN ISOLIERUNG MIT EINER MISCHUNG AUS MIKROMETRISCHEN ANORGANISCHEN FÜLLSTOFFEN UND HERSTELLUNGSVERFAHREN

Title (fr)  
MATERIAU D'ISOLATION ELECTRIQUE COMPRENANT UN MELANGE DE CHARGES INORGANIQUES MICROMETRIQUES ET PROCEDE DE FABRICATION

Publication  
**EP 3824480 A1 20210526 (FR)**

Application  
**EP 19762187 A 20190717**

Priority  
• FR 1856761 A 20180720  
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Abstract (en)  
[origin: WO2020016525A1] The invention relates to a composite electrical insulation material (1) comprising an epoxy matrix (2) of cycloaliphatic type or of diglycidyl ether type, and from 15 to 45% of fillers, including a first micrometric inorganic filler (3) having an aspect ratio of less than 3 and a lamellar second micrometric inorganic filler (4) in a volume ratio ranging from 95/05 to 40/60. The invention also relates to the process for manufacturing such a composite electrical insulation material (1), and also to the use thereof for electrically insulating supports (9) in a metal-enclosed substation (5).

IPC 8 full level  
**H01B 3/40** (2006.01); **C08K 3/22** (2006.01); **C08K 3/38** (2006.01); **C08L 63/00** (2006.01); **H02K 3/40** (2006.01)

CPC (source: EP KR)  
**C08G 59/245** (2013.01 - KR); **C08G 59/42** (2013.01 - EP); **C08K 3/013** (2017.12 - EP KR); **C08K 3/22** (2013.01 - EP KR); **C08K 3/38** (2013.01 - EP KR); **C08L 63/00** (2013.01 - KR); **H01B 3/40** (2013.01 - EP KR); **C08K 3/36** (2013.01 - EP); **C08K 2003/2206** (2013.01 - EP); **C08K 2003/222** (2013.01 - EP); **C08K 2003/2227** (2013.01 - EP KR); **C08K 2003/2241** (2013.01 - EP); **C08K 2003/265** (2013.01 - EP KR); **C08K 2003/385** (2013.01 - EP KR); **C08K 2201/014** (2013.01 - EP KR); **C08K 2201/016** (2013.01 - EP KR)

C-Set (source: EP)  
1. **C08K 3/013 + C08L 63/00**  
2. **C08K 3/38 + C08L 63/00**  
3. **C08K 3/22 + C08L 63/00**

Citation (search report)  
See references of WO 2020016525A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2020016525 A1 20200123**; CN 112424880 A 20210226; EP 3824480 A1 20210526; FR 3084202 A1 20200124; FR 3084202 B1 20201023; JP 2021530082 A 20211104; KR 20210064183 A 20210602

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