

Title (en)  
IMPREGNATION RESIN MIXTURE

Title (de)  
IMPRÄGNIERHARZMISCHUNG

Title (fr)  
MÉLANGE DE RÉSINE D'IMPRÉGNATION

Publication  
**EP 3688063 A1 20200805 (DE)**

Application  
**EP 18773418 A 20180919**

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Abstract (en)  
[origin: WO2019057737A1] The invention relates to an impregnation resin mixture and to the use thereof, in particular for the insulation of electric components. The aim of the invention is to provide suitable mixtures, which are used, in particular, for insulating medium voltage and high-voltage devices in the VPI method, avoiding the use of conventional curing agents, in particular carboxylic acid anhydrides. According to the invention, an impregnation resin mixture having the following composition is proposed: a) at least one epoxide resin component selected from the group consisting of polyepoxides based on bisphenol A and/or F, and advancement resin produced therefrom, based on epoxidised halogenated bisphenols and/or epoxidized novolaks and/or polyepoxide esters based on phthalic acid, hexahydrophthalic acid, or based on terephthalic acid, epoxidized polyaddition products from dicyclopentadiene and phenol or cycloaliphatic compounds, b) as reactive diluents, 2 to 30 wt.% lactones with respect to the sum of the epoxy resin components, c) BCI3 and/or BCI3 complexes and/or a compound selected from the group of imidazoles and d) optionally additional additives, wherein the impregnation resin mixture does not contain any carboxylic acid anhydrides.

IPC 8 full level  
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