

Title (en)  
Method for manufacturing a tear-proof resin transformer and tear-proof resin transformer

Title (de)  
Verfahren zum Herstellen eines rissfestem Gießharztransformators und rissfester Gießharztransformator

Title (fr)  
Procédé de fabrication d'un transformateur de résine de coulée résistant aux fissures et transformateur de résine de coulée résistant aux fissures

Publication  
**EP 2154698 A3 20120829 (DE)**

Application  
**EP 09161058 A 20090526**

Priority  
DE 102008025541 A 20080527

Abstract (en)  
[origin: EP2154698A2] The method involves using a cast resin e.g. epoxy resin, for electrical isolation of a coil body of a cast resin transformer. A tenacity modifier such as an acrylonitrile copolymer and/or a silicone rubber, is added to a liquid cast resin, where a composite liquid cast resin serves for grouting the coil body. The poured coil body is warmed up for hardening at increasing temperature. A catalyst such as tertiary amine and/or a quaternary ammonium composite, is added to the liquid compound cast resin. An amorphous quartz powder acting as filler is added to the liquid cast resin. An independent claim is also included for a cast resin transformer with an electrical isolation of a coil body.

IPC 8 full level  
**H01F 41/12** (2006.01)

CPC (source: EP)  
**H01B 3/40** (2013.01); **H01F 27/327** (2013.01); **H01F 41/127** (2013.01)

Citation (search report)

- [I] DE 4217288 A1 19921126 - HITACHI LTD [JP]
- [A] DE 19648134 A1 19980528 - BECK & CO AG DR [DE]
- [A] GB 2329762 A 19990331 - TAIYO YUDEN KK [JP]
- [A] WO 2004044933 A1 20040527 - ABB TECHNOLOGY AG [CH], et al
- [A] EP 0182066 A1 19860528 - SIEMENS AG [DE]

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008025541 A1 20091217**; EP 2154698 A2 20100217; EP 2154698 A3 20120829; EP 2154698 B1 20131106; ES 2442442 T3 20140211; PL 2154698 T3 20140430; PT 2154698 E 20131122

DOCDB simple family (application)  
**DE 102008025541 A 20080527**; EP 09161058 A 20090526; ES 09161058 T 20090526; PL 09161058 T 20090526; PT 09161058 T 20090526