

Title (en)
Dielectric composition having an improved gas absorbtion

Title (de)
Dielektrische Zusammensetzung mit verbesserter Absorbtion von Gas

Title (fr)
Composition dielectrique ayant une absorption de gaz amelioree

Publication
EP 1059643 B1 20030709 (FR)

Application
EP 00401546 A 20000531

Priority
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• FR 0001880 A 20000216

Abstract (en)
[origin: EP1059643A1] A small quantity of polyaryllalkane compounds is introduced to improve the gassing properties of the dielectric composition. A dielectric oil mixture comprises 99 - 70% of a mineral oil and 1 - 30% of a polyaryllalkane composition selected from :- -compositions (I) consisting of a mixture of products of formula (A) :- in which n_1 and $n_2 = 0$ or 1, containing products(A) such that $n_1 + n_2 = 0$, and products (A) in which $n_2 = 1$; and products(B) of formula :- -compositions (II) consisting of a mixture of two products (C) and (D) where :- product (C) is a mixture of isomers of formula :- in which p_1 and $p_2 = 0, 1$ or 2, with $p_1 + p_2$ is less than or equal to 3; and product (D) is a mixture of isomers of formula :- $p_{<1>1}, p_{<2>1}$ and $p_4 = 0, 1$ or 2 and $p_{<1>1} + p_{<2>1} + p_{<1>2} + p_{<2>2} + p_3 + p_4 + p_5 = 2$ or less -compositions(III) comprising a mixture of two products (A1) and (A2) such that :- (A1) is a mixture of isomers of formula :- m_1 and $m_2 = 0, 1$ or 2, and $m_1 + m_2$ is less than or equal to 3; (A2) is a mixture of isomers of formula :- q_1 and $q_2 = 0, 1$ or 2 and $q_1 + q_2$ is less than or equal to 3; At least one of compounds (A1) and (A2) is an isomer having three benzene nuclei; and -compositions(IV) comprising two products (A1) and (A2) with the addition of a compound (E1), (E2) or (E3) as follows :- (E1) is a mixture of isomers of formula :- $r_{<1>1}, r_{<2>1}$ and $R_4 = 0, 1$ or 2; $r_{<1>2}, r_{<2>2}, r_3, r_{<1>3}$ and $r_5 = 0$ or 1; and $r_{<1>1} + r_{<2>1} + r_{<1>2} + r_{<2>2} + r_3 + r_{<1>3} + r_4 + r_5$ is less than or equal to 2; R_1 and $R_2 = H$; (E2) is an isomer or isomer mixture of formula (E1), save that R_1 and R_2 are Me and coefficients r are replaced by s of similar significance; (E3) is an iosomer or isomer mixture of formula(E1) save that R_1 and R_2 are different and represent H or Me and coefficients r are replaced by t of similar significance;

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