

Title (en)
Dielectric composition having an improved gas absorption

Title (de)
Dielektrische Zusammensetzung mit verbesserter Absorption von Gas

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

Publication
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Application
EP 00401546 A 20000531

Priority
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• FR 0001880 A 20000216

Abstract (en)
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 isomer 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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• [X] GB 1579679 A 19801119 - BRITISH PETROLEUM CO
• [A] EP 0443899 A1 19910828 - ATOCHEM ELF SA [FR]
• [A] EP 0544571 A1 19930602 - ATOCHEM ELF SA [FR]
• [A] EP 0444989 A1 19910904 - ATOCHEM ELF SA [FR]
• [A] EP 0446086 A1 19910911 - ATOCHEM ELF SA [FR]
• [A] EP 0704861 A1 19960403 - ATOCHEM ELF SA [FR]

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