

Title (en)

Process for the preparation of dielectric fluids.

Title (de)

Verfahren zur Herstellung von dielektrischen Flüssigkeiten.

Title (fr)

Procédé de synthèse de fluides diélectriques.

Publication

EP 0422986 A1 19910417 (FR)

Application

EP 90402722 A 19901002

Priority

FR 8913451 A 19891013

Abstract (en)

Simplification of the processes for the synthesis of dielectric fluids by condensation of aromatic halides and of aromatic compounds in the presence of ferric chloride. The Applicant has found that it is no longer necessary to neutralise the catalyst or to perform washings with aqueous solutions. <??>This avoids the generation of aqueous solutions contaminated with organic products, which it is difficult and costly to treat before they are discharged.

Abstract (fr)

La présente invention concerne une simplification des procédés de synthèse de fluides diélectriques par condensation d'halogénures aromatiques et de composés aromatiques en présence de chlorure ferrique. La demanderesse a découvert qu'il n'est plus nécessaire de neutraliser le catalyseur ni d'effectuer des lavages avec des solutions aqueuses. On évite ainsi de générer des solutions aqueuses contaminées par des produits organiques et qu'il est difficile et coûteux de traiter avant leur rejet.

IPC 1-7

C07C 17/26; C10M 105/52; C10N 40/16; C10N 70/00; H01B 3/22

IPC 8 full level

C10M 109/02 (2006.01); **B01J 27/128** (2006.01); **C07B 61/00** (2006.01); **C07C 1/26** (2006.01); **C07C 15/16** (2006.01); **C07C 17/26** (2006.01); **C07C 17/269** (2006.01); **C07C 25/18** (2006.01); **C10M 105/06** (2006.01); **C10M 105/52** (2006.01); **H01B 3/20** (2006.01); **H01B 3/22** (2006.01); **H01B 3/24** (2006.01); **C10N 40/16** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP KR US)

C10M 105/06 (2013.01 - EP KR US); **C10M 105/52** (2013.01 - EP US); **H01B 3/22** (2013.01 - EP US); **C10M 2203/06** (2013.01 - EP US); **C10M 2211/024** (2013.01 - EP US); **C10M 2211/06** (2013.01 - EP US); **C10N 2040/16** (2013.01 - EP US); **C10N 2040/17** (2020.05 - EP US)

Citation (search report)

- [A] FR 2510135 A1 19830128 - UGINE KUHLMANN [FR]
- [A] FR 931987 A 19480309 - SOLAR MFG CORP
- [A] BE 533352 A 19541215
- [AD] EP 0136230 A1 19850403 - ATOCHEM [FR]
- [A] DATABASE WPI, no. 74-20301V, Derwent Publications Ltd, Londres, GB; & JP-A-48 095 599 (KANEKA FUCHI CHEM. IND. CO.) 07-12-1973

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0422986 A1 19910417; EP 0422986 B1 19920902; AT E80176 T1 19920915; CA 2027445 A1 19910414; CA 2027445 C 19940322; CN 1029005 C 19950621; CN 1050894 A 19910424; DE 69000288 D1 19921008; DE 69000288 T2 19930318; DK 0422986 T3 19921005; ES 2034844 T3 19930401; FI 905033 A0 19901012; FI 97478 B 19960913; FI 97478 C 19961227; FR 2653134 A1 19910419; FR 2653134 B1 19911213; GR 3006387 T3 19930621; IE 64608 B1 19950823; IE 903692 A1 19910424; JP 2569214 B2 19970108; JP H03134095 A 19910607; KR 910008113 A 19910530; KR 930005531 B1 19930622; NO 904393 D0 19901011; NO 904393 L 19910415; PT 95588 A 19910913; PT 95588 B 19970829; US 5186864 A 19930216

DOCDB simple family (application)

EP 90402722 A 19901002; AT 90402722 T 19901002; CA 2027445 A 19901012; CN 90108455 A 19901013; DE 69000288 T 19901002; DK 90402722 T 19901002; ES 90402722 T 19901002; FI 905033 A 19901012; FR 8913451 A 19891013; GR 920402760 T 19921130; IE 369290 A 19901015; JP 27515590 A 19901012; KR 900016202 A 19901012; NO 904393 A 19901011; PT 9558890 A 19901012; US 59703090 A 19901015