

Title (en)

MONOCLONAL ANTIBODIES TO CYCLODIENE INSECTICIDES AND METHOD FOR DETECTING THE SAME

Publication

EP 0553077 A4 19950125 (EN)

Application

EP 91905126 A 19910108

Priority

US 9100151 W 19910108

Abstract (en)

[origin: WO9212427A1] Methods are described for making specific monoclonal antibodies useful for detection of cyclodienes in foods and environmental samples. Monoclonal antibodies specifically reactive with cyclodienes can detect accumulated pesticides in food, tissue or environmental samples. Extraction and preparation of organic samples for immunoassay in a polar-nonpolar reaction medium permits detection of halogenated organic ring structures at low concentrations in samples.

IPC 1-7

G01N 33/53

IPC 8 full level

C07K 16/44 (2006.01); **G01N 33/53** (2006.01)

CPC (source: EP)

C07K 16/44 (2013.01); **G01N 33/5308** (2013.01)

Citation (search report)

- [X] EP 0242589 A2 19871028 - RESEARCH CORP [US]
- [X] STANKER ET AL: "ANALYSIS OF HEPTACHLOR AND RELATED CYCLODIENE INSECTICIDES IN FOOD PRODUCTS", ACS SYMPOSIUM SERIES. IMMUNOASSAYS FOR TRACE CHEMICAL ANALYSIS. MONITORING TOXIC CHEMICALS IN HUMANS, FOOD, AND THE ENVIRONMENT, vol. 451, 1990, WASHINGTON D.C., USA, pages 108 - 123 & DEVELOPED FROM A SYMPOSIUM SPONSORED BY THE INTERNATIONAL CHEMICAL CONGRESS OF PACIFIC BASIN SOCIETIES, December 1989 (1989-12-01), HONOLULU, HAWAII
- [X] BUSHWAY ET AL: "DETERMINATION OF CHLORDANE IN SOIL BY ENZYME IMMUNOASSAY", U.S. ENVIRON. PROT. AGENCY, RES. DEV., (REP.) EPA 1988, EPA/600/D-89/189, FIELD SCREENING METHODS HAZARD. WASTE SITE INVEST., 1988, pages 433 - 437
- See references of WO 9212427A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9212427 A1 19920723; EP 0553077 A1 19930804; EP 0553077 A4 19950125

DOCDB simple family (application)

US 9100151 W 19910108; EP 91905126 A 19910108