Title (en)

METHOD OF TESTING THE TOXICITY OF MATERIALS, IN PARTICULAR SYNTHETIC MATERIALS, AND DEVICE FOR CARRYING OUT THIS METHOD

Title (de)

VERFAHREN ZUR TOXIKOLOGISCHEN PRÜFUNG VON WERKSTOFFEN, INSBESONDERE KUNSTSTOFFEN, UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE D'ESSAI TOXICOLOGIQUE DE MATIERES, EN PARTICULIER DE MATIERES PLASTIQUES, ET DISPOSITIF SERVANT A LA MISE EN UVRE DU PROCEDE

Publication

EP 0779980 A1 19970625 (DE)

Application

EP 95932678 A 19950907

Priority

• DE 4432326 A 19940910
• EP 9503508 W 19950907

Abstract (en)

[origin: DE4432326A1] The invention concerns a method of testing the toxicity of materials, in particular synthetic materials, wherein cells are incubated under defined reaction conditions in liquid batches together with the material to be tested. The degree of toxicity of the material can be deduced from the reaction of the cells. The method is characterized in that cells are used whose cell membranes contain arachidonic acid as essential component and in whose membranes [<3>H]arachidonic acid has previously been incorporated. The marked cells are incubated in a test batch in the presence of the material to be tested and in a material-free control batch. The test batch and control batch are adjusted such that they contain the same number of cells and the radioactivity is determined at specific times in the cell-free excess of the batches. Information about the toxicity of the material tested is deduced from the difference between the values measured for the test and control batches.

IPC 1-7

G01N 33/50; G01N 33/60; C12M 3/06; C12M 1/12; C12M 1/20

IPC 8 full level

C12M 1/12 (2006.01); **C12M 1/20** (2006.01); **C12M 3/06** (2006.01); **G01N 33/50** (2006.01); **G01N 33/60** (2006.01)

CPC (source: EP)

G01N 33/5014 (2013.01); **G01N 33/60** (2013.01)

Citation (search report)

See references of WO 9607904A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI

DOCDB simple family (publication)

DE 4432326 A1 19960314; **DE 4432326 C2 19970717**; EP 0779980 A1 19970625; WO 9607904 A1 19960314

DOCDB simple family (application)

DE 4432326 A 19940910; EP 9503508 W 19950907; EP 95932678 A 19950907