

Title (en)

METHOD OF PREPARING STABILIZED AROMATIC DIAMINES, AND THEIR USE IN THE PRODUCTION OF HEAT-RESISTANT POLYURETHANE/UREA ELASTOMERS.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON STABILISIERTEN AROMATISCHEN DIAMINEN UND IHRE VERWENDUNG ZUR HERSTELLUNG VON WÄRMESTANDFESTEN POLYURETHANHARNSTOFF-ELASTOMEREN.

Title (fr)

PROCEDE DE PREPARATION DE DIAMINES AROMATIQUES STABILISEES ET LEUR UTILISATION DANS LA FABRICATION D'ELASTOMERES DE POLYURETHANE-UREE RESISTANT A LA CHALEUR.

Publication

EP 0666879 A1 19950816 (DE)

Application

EP 93923507 A 19931020

Priority

- DE 4236939 A 19921102
- EP 9302898 W 19931020

Abstract (en)

[origin: DE4236939A1] The invention concerns a method of manufacturing polyurethane/urea elastomers, in which the reaction products, which contain terminal NCO groups, of polyester and/or polycarbonate polyols with a molecular weight of 400 to 10,000 and polyisocyanates are reacted with finely divided diaminodiphenyl ureas of the general formula (I), in which the NH₂ groups are in the meta position relative to the urea grouping and R<1>, R<2>, R<3> and R<4>, which may be the same or different, are H or C1-C6 alkyl groups, organic and/or inorganic acid chlorides in concentrations greater than 20 ppm relative to the NCO adduct used being added to one or both components before they are mixed in order to stabilize the reaction mixture.

IPC 1-7

C08G 18/08; **C08G 18/10**

IPC 8 full level

C08K 3/24 (2006.01); **C08G 18/08** (2006.01); **C08G 18/10** (2006.01); **C08G 18/42** (2006.01); **C08G 18/44** (2006.01); **C08G 18/65** (2006.01); **C08K 5/09** (2006.01); **C08L 75/00** (2006.01); **C09K 3/10** (2006.01); **D06N 3/14** (2006.01)

CPC (source: EP)

C08G 18/089 (2013.01); **C08G 18/10** (2013.01); **C09K 3/1021** (2013.01); **D06N 3/14** (2013.01)

Citation (search report)

See references of WO 9410219A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

DE 4236939 A1 19940505; CA 2146670 A1 19940511; EP 0666879 A1 19950816; JP H08502538 A 19960319; WO 9410219 A1 19940511

DOCDB simple family (application)

DE 4236939 A 19921102; CA 2146670 A 19931020; EP 9302898 W 19931020; EP 93923507 A 19931020; JP 51063994 A 19931020